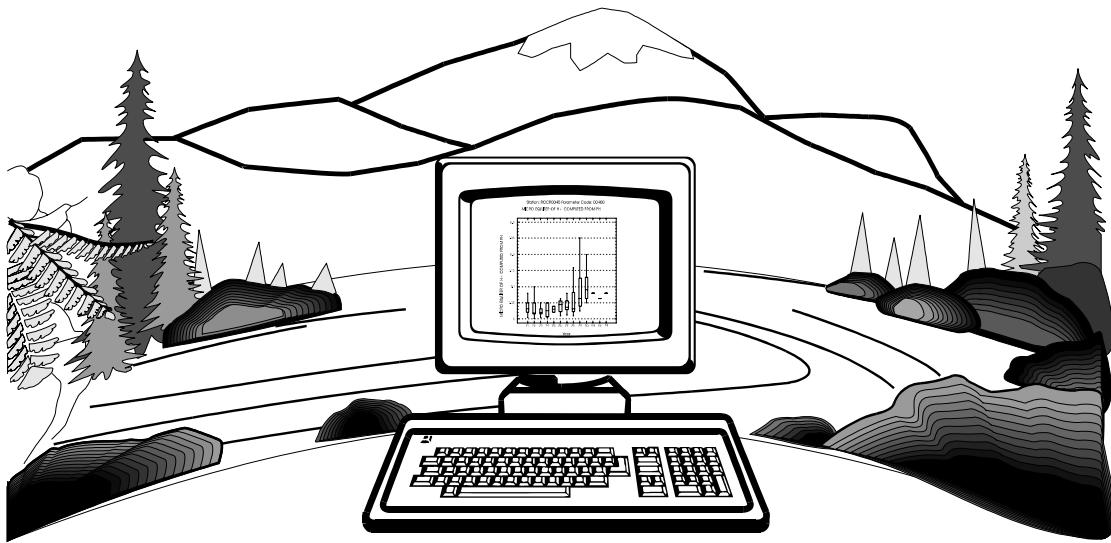
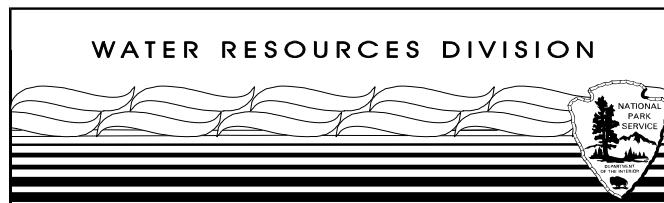

BASELINE WATER QUALITY DATA

INVENTORY AND ANALYSIS

**Fredericksburg and Spotsylvania
County Battlefields Memorial
National Military Park**



**WATER RESOURCES DIVISION AND
SERVICEWIDE INVENTORY AND
MONITORING PROGRAM**



National Park Service - Department of the Interior
Fort Collins - Denver - Washington

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**BASELINE WATER QUALITY DATA
INVENTORY AND ANALYSIS**

**FREDERICKSBURG AND SPOTSYLVANIA COUNTY
BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK**

National Park Service
Water Resources Division
Fort Collins, CO 80525

Technical Report NPS/NRWRD/NRTR-99/243

AUGUST 2000

United States Department of the Interior
National Park Service
Washington, D.C.

EXECUTIVE SUMMARY

This document presents the results of surface-water-quality data retrievals for Fredericksburg and Spotsylvania County Battlefields Memorial National Military Park (FRSP) from six of the United States Environmental Protection Agency's (EPA) national databases: (1) Storage and Retrieval (STORET) water quality database management system; (2) River Reach File (RF3); (3) Industrial Facilities Discharge (IFD); (4) Drinking Water Supplies (DRINKS); (5) Water Gages (GAGES); and (6) Water Impoundments (DAMS). This document is one product resulting from a cooperative contractual endeavor between the National Park Service's (NPS) Servicewide Inventory and Monitoring Program, the National Park Service's Water Resources Division (WRD), and Horizon Systems Corporation to retrieve, format, and analyze surface water quality data for all units of the National Park System containing significant water resources. The primary goal of the project is to provide descriptive water quality information in a manner and format that is both consistent with the goals of the Servicewide Inventory and Monitoring Program and useable by park resource managers. The document provides: (1) a complete inventory of all retrieved water quality parameter data, water quality stations, and the entities responsible for the data collection; (2) descriptive statistics and appropriate graphical plots of water quality data characterizing period of record, annual, and seasonal central tendencies and trends; (3) a comparison of the park's water quality data to relevant EPA and WRD water quality screening criteria; and (4) an Inventory Data Evaluation and Analysis (IDEA) to determine what Servicewide Inventory and Monitoring Program "Level I" water quality parameters have been measured within the study area. Accompanying the report are disks containing digital copies of all data used in the report, as well as all components of the report (tables, figures, etc.).

The results of the retrievals for the FRSP study area from the IFD, DRINKS, GAGES, and DAMS databases located 17 industrial/municipal dischargers; ten drinking water intakes; six active or inactive U. S. Geological Survey (USGS) and U.S. National Weather Service water gages (including stream and climate); and 19 water impoundments. The results of the STORET retrieval for the study area yielded 87,780 observations for 401 separate parameters collected by the NPS, USGS, EPA, Virginia Department of Environmental Quality (VDEQ), and Maryland Department of Natural Resources at 112 monitoring stations from 1967 through 1998. Approximately 75 percent of the 87,780 observations within the study area were collected by the VDEQ from 1968 through 1998. Of the 112 monitoring stations, 14 stations were located within the park boundaries (see Station Period of Record Tabulation). Twenty-four stations within the study area (one within the park boundaries) were established but contained no data.

Many of the monitoring stations with data represent either one-time or intensive single-year sampling efforts by the collecting agencies. Forty stations within the study area (three within the park boundaries) yielded longer-term records consisting of multiple observations for several important water quality parameters (see Station Period of Record Tabulation). The stations yielding the longer-term records within the park boundaries are (1) North Wilderness Run at Wilderness Battlefield (FRSP 0094); (2) South Wilderness Run at Wilderness Battlefield (FRSP 0092); and (3) North Wilderness Run at Cattle Crossing (FRSP 0093). The stations yielding the longest-term records within the study area, but outside of the park boundaries are: (1) Claiborne Run at the State Route 3 Bridge (FRSP 0022); (2) Rappahannock River near Fredericksburg (FRSP 0045); (3) Rapidan River at the State Route 610 Bridge (FRSP 0080); (4) Ni River at the U. S. Route 1 Bridge (FRSP 0048); (5) Hazel Run at the U. S. Business Route 17 Bridge (FRSP 0027); and (6) Rappahannock River at the U. S. Route 1 Bridge (FRSP 0033)[†].

Screening criteria consisting of published EPA water-quality criteria and instantaneous concentration values selected by the WRD were used to identify potential water quality problems within the study area. While the criteria represent important threshold concentrations of pollutants, it is important to remember that criteria may have been exceeded due to any number of natural or anthropogenic factors, including errors in field, laboratory, and/or recording procedures. The reader is advised to read the Introduction for additional caveats in interpreting the exceeded criteria in this report. The results of the FRSP water quality criteria screen found 17 groups of parameters that exceeded screening criteria at least once within the study area. Dissolved oxygen, pH, chloride, chlorine, cadmium, copper, mercury, and zinc exceeded their respective EPA criteria for the protection of

[†]Water quality station location descriptions are verbatim from STORET. Any misspellings and abbreviations in STORET are replicated in this document.

freshwater aquatic life. Chloride, nitrate, nitrite, cadmium, lead, mercury, nickel, and thallium exceeded their respective EPA drinking water criteria. Fecal-indicator bacteria concentrations (total coliform and fecal coliform) and turbidity exceeded the WRD screening limits for freshwater bathing and aquatic life, respectively. Alkalinity was below the threshold used by the NPS Air Resources Division for determining potential sensitivity to acid deposition (buffering capacity).

Dissolved oxygen concentrations were measured 3,654 times at 71 monitoring stations from 1968 through 1998. Of the 3,540 observations used in the criteria analysis (see Media Type screen in the Methodology for explanation), 37 concentrations at 17 stations were less than or equal to the 4 milligrams per liter (mg/L) EPA criterion for the protection of freshwater aquatic life from 1968 through 1998.

The pH was measured 5,250 times at 81 monitoring stations from 1967 through 1998. Of the 5,133 observations used in the criteria analysis (see Media Type screen in the Methodology for explanation), 965 observations at 59 stations throughout the study area were outside the pH range of 6.5 to 9.0 standard units (SU) (EPA chronic criteria for freshwater aquatic life) from 1967 through 1998. Nine-hundred-forty-five observations were less than or equal to pH 6.5 from 1967 through 1998 and 20 observations were greater than or equal to pH 9.0 from 1973 through 1994. The lowest pH of 2.4 SU was reported in the Rappahannock River at the U. S. Route 1 Bridge in Fredericksburg (FRSP 0033) in January 1995. The highest pH of 11 SU was reported in Claiborne Run at the State Route 627 Bridge (FRSP 0028) in March 1973.

Turbidity was measured 1,080 times at 33 monitoring stations from 1970 through 1998. Of the 1,031 observations used in the criteria analysis (see Remark Code and Media Type screens in the Methodology for explanation), 79 observations at ten stream stations, near Fredericksburg (FRSP 0022, FRSP 0027, FRSP 0033, FRSP 0036, FRSP 0043, FRSP 0045), in the Rapidan River (FRSP 0080), Mountain Run (FRSP 0112), Mine Run (FRSP 0107), and the Ni River (FRSP 0058), exceeded the WRD screening criterion of 50 Jackson Candle/Formazin/Nephelometric Turbidity Units (JTU/FTU/NTU) from 1971 through 1998. Approximately 68 percent of the observations exceeding the criterion were reported at two stations in the Rappahannock River near Fredericksburg (FRSP 0033, FRSP 0045) from 1978 through 1996, including the highest value of 957 FTU at the U. S. Route 1 Bridge (FRSP 0033) in June 1995.

Total coliform concentrations were measured 151 times at 16 monitoring stations from 1968 through 1987. Ninety-one observations at 12 stations exceeded the WRD bathing water screening criterion of 1,000 Colony Forming Units/Most Probable Number per 100 milliliters (CFU/MPN/100 ml) from 1968 through 1977. Approximately 71 percent of the observations exceeding the criterion were reported at eight stations near Fredericksburg (FRSP 0010, FRSP 0012, FRSP 0015, FRSP 0022, FRSP 0023, FRSP 0026, FRSP 0028, FRSP 0036) from 1968 through 1977, including the highest value of 460,000 MPN/100 ml in the Rappahannock River at Buoy 121 (FRSP 0015) in July 1968. Fecal coliform concentrations were determined 2,110 times at 53 monitoring stations from 1970 through 1998. Of the 2,107 observations used in the criteria analysis (see Remark Code and Media Type screens in the Methodology for explanation), 795 observations at 40 stations throughout the study area exceeded the WRD bathing water screening criterion of 200 CFU/MPN/100 ml from 1970 through 1998. The highest value of 110,000 CFU/100 ml was reported one hundred yards below the Fredericksburg Sewage Treatment Plant (FRSP 0023) in August 1976.

Total alkalinity was determined by low-level (less than 10 mg/L as CaCO₃) gran analysis four times at two stream stations south of the Fredericksburg Battlefield Unit (FRSP 0014, FRSP 0024) during 1986. All four observations, ranging from 3.5 microequivalents per liter ($\mu\text{eq}/\text{L}$) to 30.5 $\mu\text{eq}/\text{L}$ at the two stations, were below the NPS Air Resources Division's 200 $\mu\text{eq}/\text{L}$ threshold, indicating sensitivity to acid deposition. The lowest value of 3.5 $\mu\text{eq}/\text{L}$ was reported at an unnamed stream approximately 2.5 miles south of the Fredericksburg Battlefield Unit (FRSP 0024) in March 1986.

Chloride concentrations (including dissolved and total) were measured 1,186 times at 42 monitoring stations from 1967 through 1998. Of the 1,184 observations used in the criteria analysis (see Remark Code screen in the Methodology for explanation), two total observations, 1,300 mg/L in Claiborne Run at the State Route 3 Bridge (FRSP 0022) and 494 mg/L in the Ni River at the State Route 208 Bridge (FRSP 0058), exceeded the secondary

drinking water criterion of 250 mg/L in January and February 1989, respectively. The highest concentration of 1,300 mg/L also exceeded the acute freshwater criterion of 860 mg/L.

Total residual chlorine concentrations were measured 189 times at 17 monitoring stations from 1972 through 1988. Eighty-three observations at eight stations, near Fredericksburg (FRSP 0010, FRSP 0022, FRSP 0023, FRSP 0025, FRSP 0026, FRSP 0027), in the Ni River (FRSP 0058), and the Rapidan River (FRSP 0080), exceeded the acute freshwater criterion of .019 mg/L from 1975 through 1988. Approximately 69 percent of the observations exceeding the criterion were reported in Claiborne Run at the State Route 3 Bridge (FRSP 0022) from 1975 through 1988, including the highest concentration of 80 mg/L in June 1982.

Nitrate concentrations (including dissolved and total as N and dissolved as NO₃) were measured 3,032 times at 49 monitoring stations from 1967 through 1998. Of the 2,908 observations used in the criteria analysis (see Media Type screen in the Methodology for explanation), two total as N concentrations, 23.29 mg/L in Claiborne Run at the State Route 3 Bridge (FRSP 0022) and 13.29 mg/L in the Rappahannock River at Buoy 116 (FRSP 0002), exceeded the drinking water criterion of 10 mg/L for nitrate as N during January 1975 and May 1974, respectively.

Nitrite concentrations (including dissolved and total as N and dissolved as NO₂) were measured 3,182 times at 52 monitoring stations from 1970 through 1998. Of the 3,053 observations used in the criteria analysis (see Media Type screen in the Methodology and EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), four total as N concentrations, ranging from 1.9 mg/L to 5.6 mg/L at two stations, Claiborne Run at the State Route 3 Bridge (FRSP 0022) and Hazel Run at the U. S. Business Route 17 Bridge (FRSP 0027), exceeded the drinking water criterion of 1 mg/L for nitrite as N from 1978 through 1986. The highest concentration of 5.6 mg/L was reported in Hazel Run at the U. S. Business Route 17 Bridge (FRSP 0027) in July 1983.

Cadmium concentrations (including dissolved, suspended, and total) were measured 328 times at 41 monitoring stations from 1970 through 1998. Of the 153 observations used in the criteria analysis (see EPA Water Quality Criteria Analysis for Station in the Interpretive Guide To Water Quality Results for explanation), nine total concentrations at seven stations, near Fredericksburg (FRSP 0015, FRSP 0022, FRSP 0025, FRSP 0027, FRSP 0036, FRSP 0045) and in Mine Run (FRSP 0106), exceeded the acute freshwater criterion of 3.9 micrograms per liter ($\mu\text{g}/\text{L}$) and the drinking water criterion of 5.0 $\mu\text{g}/\text{L}$ from 1972 through 1989. The highest concentration of 30 $\mu\text{g}/\text{L}$ was reported twice, in Claiborne Run at the State Route 627 Bridge (FRSP 0025) and Hazel Run at the U. S. Business Route 17 Bridge (FRSP 0027) in March and October 1979, respectively.

Copper concentrations (including dissolved, suspended, and total) were measured 395 times at 41 monitoring stations from 1970 through 1998. Twenty-nine total concentrations at 13 stations exceeded the acute freshwater criterion of 18 $\mu\text{g}/\text{L}$ from 1970 through 1993. Twenty-two of the concentrations exceeding the criterion were reported at nine stations near Fredericksburg (FRSP 0010, FRSP 0012, FRSP 0015, FRSP 0019, FRSP 0022, FRSP 0026, FRSP 0027, FRSP 0028, FRSP 0036) from 1970 through 1993, including the highest concentration of 90 $\mu\text{g}/\text{L}$ in a tributary to Claiborne Run at the State Route 607 Bridge (FRSP 0019) in February 1991.

Lead concentrations (including dissolved, suspended, and total) were measured 372 times at 41 monitoring stations from 1970 through 1998. Fifteen concentrations at eight stations, near Fredericksburg (FRSP 0010, FRSP 0015, FRSP 0022, FRSP 0026, FRSP 0045), in the Ni River (FRSP 0048), Massaponax Creek (FRSP 0045), and the Rapidan River (FRSP 0048), exceeded the drinking water criterion of 15 $\mu\text{g}/\text{L}$ from 1972 through 1984. Eleven of the concentrations exceeding the criterion were reported at five stations near Fredericksburg (FRSP 0010, FRSP 0015, FRSP 0022, FRSP 0026, FRSP 0045) from 1972 through 1984, including the highest concentration of 40 $\mu\text{g}/\text{L}$ in the Rappahannock River at Buoy 121 (FRSP 0015) in August 1973.

Mercury concentrations (including dissolved, suspended, and total) were measured 380 times at 40 monitoring stations from 1970 through 1998. Seven total concentrations, ranging from 2.2 $\mu\text{g}/\text{L}$ to 4.4 $\mu\text{g}/\text{L}$ at seven stations, near Fredericksburg (FRSP 0012, FRSP 0028, FRSP 0047), in the Rappahannock River (FRSP 0002), Poni River (FRSP 0020), Motts Run Reservoir (FRSP 0055), and the Po River (FRSP 0072), exceeded the drinking water criterion of 2 $\mu\text{g}/\text{L}$ from 1975 through 1991. Five of these seven concentrations also exceeded the acute

freshwater criterion of 2.4 µg/L from 1975 through 1991. The highest concentration of 4.4 µg/L was reported near Fredericksburg in the Rappahannock River at the State Route 2 Bridge (FRSP 0047) in September 1978.

Nickel concentrations (including dissolved, suspended, and total) were measured 283 times at 40 monitoring stations from 1973 through 1998. Three concentrations, ranging from 100 µg/L to 110 µg/L at three stations, in Claiborne Run (FRSP 0022), Mine Run (FRSP 0107), and Mountain Run (FRSP 0112), equaled or exceeded the drinking water criterion of 100 µg/L during 1978 and 1979. The highest concentration of 110 µg/L was reported in Claiborne Run at the State Route 3 Bridge (FRSP 0022) in October 1979.

Thallium concentrations (including dissolved and total) were measured 32 times at 20 monitoring stations from 1978 through 1998. Two total concentrations near Fredericksburg, 3 µg/L in Claiborne Run at the State Route 3 Bridge (FRSP 0022) and 2 µg/L in Hazel Run at the U. S. Business Route 17 Bridge (FRSP 0027), equaled or exceeded the drinking water criterion of 2.0 µg/L in July 1983.

Zinc concentrations (including dissolved, suspended, and total) were measured 463 times at 41 monitoring stations from 1970 through 1998. Seven concentrations, ranging from 120 µg/L to 200 µg/L at four stations, in the Rappahannock River near Fredericksburg (FRSP 0015, FRSP 0045) and the Ni River near Spotsylvania (FRSP 0048, FRSP 0058), equaled or exceeded the acute freshwater criterion of 120 µg/L from 1972 through 1980. The highest concentration of 200 µg/L was reported in the Rappahannock River near Fredericksburg (FRSP 0045) in May 1980.

The IDEA conducted for FRSP indicates that STORET data exist for all 13 Level I parameter groups in the study area. Overall, approximately 60 percent of the observations for Level I parameter groups were recorded since 1985. Data for three groups (Flow, Chlorophyll, and Toxic Elements) were recorded at less than half of the 88 monitoring stations with data. Relative to other parameter groups, data were limited for the group Chlorophyll. Results for 121 of the 126 EPA priority toxic pollutants (consisting of organic parameters, metals, pesticides, and PCB's) were retrieved from STORET.

Surface water resources in the FRSP study area include the Ni, Rapidan, Rappahannock, and other rivers; North and South Wilderness, Claiborne, Massaponax, and numerous other runs and creeks; Lake of the Woods, Ni River, Motts Run, and many other reservoirs; many ponds; and some springs and wetlands. The data inventories and analyses contained in this report indicate that surface waters within the study area have been impacted by human activities. Potential anthropogenic sources of contaminants include municipal and industrial wastewater discharges; stormwater runoff; urban and residential development; mining and gravel pit operations; agricultural activities; recreational use; and atmospheric deposition.

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INTRODUCTION

The National Park Service's (NPS) Organic Act of 1916 states that the mission of the NPS is to promote and regulate the use of national parks, monuments, and other units "... to conserve the scenery and the natural and historic objects and wildlife therein and to provide for the enjoyment of the same in such a manner and by such means as will leave them unimpaired for the enjoyment of future generations." One task embodied by this mission is preserving and protecting water resources and water dependent environments in parks. Ensuring the integrity of park water quality, due to its importance in sustaining natural, aquatic park ecosystems and supporting human consumptive and recreational use, is fundamental to successfully addressing this task. The first step in ensuring the integrity of park water quality is defining historic and extant water quality.

This document represents one product of an ongoing effort by the NPS Water Resources Division (WRD) and the Servicewide Inventory and Monitoring Program to characterize baseline water quality using existing data at park units containing significant natural resources. This effort was initiated in 1993 by the award of a contract to Horizon Systems Corporation to retrieve, format, and analyze surface water quality data from the Environmental Protection Agency's (EPA) Storage and Retrieval (STORET) database system. The scope of work identified in the Request For Proposals outlined several sequential, interrelated project phases, including, but not limited to: (1) determining the water quality retrieval/query area around each park; (2) downloading and assessing the quality of the data from STORET; (3) generating basic water quality summary statistics and graphic plots; (4) reformatting water quality data for compatibility with the park-based Water Quality Data Management System presently under-development; and (5) providing recommendations concerning possible hardware, software, and personnel options for storing combined park databases in a centralized NPS water quality database. This report documents the results of phases one through four of this effort for this park unit.

Goal

The goal of this document is to provide descriptive water quality information in a format usable for park planning purposes (eg. Water Resources Management Plans, Resource Management Plans, and General Management Plans). The report is designed to characterize baseline water quality rather than assess specific water quality problems at a park. This is consistent with the Servicewide Inventory and Monitoring Program's goal of obtaining basic, "Level I", water quality parameters for key waterbodies at each park (National Park Service 1993). Consequently, this report is best used as a reference document to help design new goal-driven water quality monitoring programs rather than as conclusive evidence of previous or existing water quality problems.

Purpose

The purpose of this report is to inventory existing park water quality data; establish baseline water quality at the park; identify potential water quality problems; and establish a park water quality database. This report is intended to enable park resource managers to compare and contrast water quality data collected as part of ongoing inventory and monitoring programs with historical water quality trends. Additionally, this report is intended to foster better designed park-based water quality inventory and monitoring programs in the future. The water quality databases which accompany this report will also lay the groundwork for establishing a NPS water quality database that will allow Regions and Washington Offices to generate regional and national assessments of park water quality.

Objectives

Specific objectives of the study documented in this report are to:

1. Retrieve water quality and related data from the EPA's STORET and other database systems;
2. Develop a complete inventory of all retrieved data;

3. Produce descriptive statistics and appropriate time series and box-and-whiskers plots of water quality data to characterize period of record, annual, and seasonal central tendencies and trends;
4. Compare water quality data with relevant national EPA water quality criteria on a station-by-station and study area basis;
5. Determine the presence and/or absence of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameters within the study area; and
6. Reformat water quality and other related data for use in the park-based Water Quality Data Management System, presently under-development, and other appropriate analytical tools.

Document Overview

This report is comprised of five chapters. The first chapter, this Introduction, provides a brief statement of the study's background; goal, purpose, and objectives; and the key personnel who helped produce the document. This chapter also contains this brief overview of the document's contents and important interpretive caveats to consider when referring to and using this document. The second chapter focuses on the methods, procedures, and databases that were employed to retrieve and analyze water quality data for the park. The third chapter is the user's interpretive guide to chapter four. Chapter three explains how to interpret all the tables and figures presented in chapter four. Chapter four, which likely comprises the majority of the document (unless there isn't much water quality data for the park), contains detailed inventories, descriptive statistics, graphics, and national EPA water quality criteria comparisons characterizing the park unit's water quality data on a station-by-station basis and over the entire study area. This chapter also contains a comparison of park water quality data with the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters and a listing of water quality observations that were outside the STORET edit criteria range. Chapter five, the Appendices, contains more specialized materials such as the file names and database structures included on floppy disk(s) with this report; STORET edit criteria; national EPA water quality criteria; Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameters; selected water quality references; and other materials which provide background on the methods, procedures, and databases used or produced by this study.

The water quality and other related data referenced in this report accompany the document on floppy disk. The water quality parameter data file is in DBASE III+¹ format and will be useable in the park-based Water Quality Data Management System presently under-development. The water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and River Reach databases are also in DBASE III+ and/or ASCII format for ready-use in Geographic Information Systems (GIS), Computer-Aided Design Systems, or Desktop Mapping Systems.

Caveats

While intended primarily as a reference document, it is important that users peruse the first three chapters and Appendices of this report to better understand and interpret the results presented in chapter four. As a means for identifying potential areas for more intensive study, comparisons of the park's water quality data with relevant national EPA water quality criteria for appropriate designated uses² and with the Servicewide Inventory and

¹The use and/or mention of specific proprietary hardware or software packages is for informational purposes only and is not intended to connote or denote an endorsement.

²The Environmental Protection Agency's Quality Criteria for Water 1995 Final Draft (Silver Book) was the primary source of water quality criteria. In the spirit of the other caveats offered in this section, it is important to recognize that water quality criteria are often revised when new or better information become available.

Monitoring Program's "Level I" water quality inventory parameters have been made. Extreme caution must be exercised in interpreting the results of these comparisons. Observations that exceed water quality criteria may have occurred due to any number of natural or anthropogenic factors, as well as other reasons. For example, STORET is a "user-beware" water quality database system. While there is some rudimentary edit (bounds) checking of any data entered in STORET (See Appendix C), users are basically free to enter their own data. Beyond data entry errors, the possibility of inaccurate data entering the system due to inappropriate measurement techniques, sample mistreatment, and other reasons is a serious concern. Consequently, if observations for a particular parameter frequently exceed the EPA water quality criterion over a prolonged time period, the best approach is to examine in detail the data exceeding the criterion. Questions which should be asked regarding the data include: What water source(s) are manifesting the problem? Does the data make sense? Was it collected by a reputable organization following a sound study plan and employing accepted techniques? If the answers to these questions still cause concern, a specific cause and effect water quality investigation focusing on the parameters of concern may be warranted. Similarly, the absence of particular Servicewide Inventory and Monitoring Program "Level I" water quality parameters from the park only means that no entity or organization has collected and entered this data into the EPA's STORET database. Too frequently, data that are collected in and around NPS units never make it into the EPA's national water quality database. These data may exist in published or unpublished reports, file cabinets, or other databases. Before definitively concluding that no baseline data exist for a particular parameter, these alternative resting grounds for data should be investigated. Such a detailed exploration, however, was beyond the scope of this study.

Key Personnel

Many individuals contributed to the design and implementation of this project. The primary contributors and their roles in the project are briefly mentioned below.

National Park Service, Water Resources Division:

Dean Tucker was the Contracting Officer's Technical Representative responsible for designing, coordinating, and implementing all aspects of this effort.

Mike Matz coordinated and managed the team which prepared all components of the report.

Gary Rosenlieb provided administrative oversight and was involved in quality control for all tasks related to this project.

Barry Long and Roy Irwin reviewed technical tasks and provided water quality expertise related to data analysis.

Gary Smillie provided hydrologic expertise in the determination of hydrologic seasons.

Clint Bassett and Amy Benton helped prepare reports and write the Executive Summaries.

Elizabeth Eisenhauer, Bill Folsom, Scott Ratchford, Jeff Ketcham, and Valdete Celaj provided digital cartographic support, both in determining retrieval/query areas and producing maps and graphics.

Kelli O'Connor, J. Chris Echohawk, Adam Henson, Ryan Shy, Lisa Dummer, Eric Lord, Adriane Petersen, Ronda Burns, Aria Brissette, Nancy O'Keefe, Brett Atkinson, Paul Sorek, and Cara Ellis uploaded water quality data to STORET prior to report preparation.

Jacquie Nolan designed the cover.

Horizon Systems:

Cindy McKay served as Project Manager for Horizon Systems, performed the initial requirements analysis, and was involved in all quality control tasks related to the project.

Alan Cahoon was responsible for automating the procedures which produced the water quality databases and Water Quality Results chapter.

Sue Hanson, P.E., provided technical advice for writing this document.

Dr. Jim Loftis was the data quality analyst for the project.

Armando F. Ballofet, P.E., served as the local technical liaison between Horizon Systems and the NPS.

Other National Park Service:

Several other individuals provided invaluable technical review, comments, administrative support, and/or other assistance, including: Dan Kimball, Bill Jackson, Mark Flora, Gary Williams, John Karish, Brendhan Zubricki, Richard Hammerschlag, Randy Ferrin, Gary Vequist, Mike Martin, Kevin Berghoff, and Dyra Monroe.

METHODOLOGY

This section provides an overview of the procedures and criteria used to retrieve and analyze water quality data for each park unit. Generating baseline water quality data inventories and analyses for all NPS units is a monumental task. To accomplish this undertaking given a very limited budget, the procedures employed to produce each report had to be as generic and automated as possible. Consequently, customization of reports to individual park needs and issues was not feasible. Moreover, such customization was beyond the scope of this effort which was simply intended to produce baseline water quality data inventories for all parks rather than customized issue-driven reports. During the procedure-development stages of the project, specifications for the final product evolved, within the context of the aforementioned resource constraints, to focus on comprehensive water quality baseline data inventories and concise, descriptive statistical examinations of the available water quality data for each park unit. Detailed below are the data sources and final methods and procedures that were used to create the baseline water quality inventories, analyses, databases, and other products for each park unit. A thorough understanding of the limitations of the data sources and procedures described in this chapter and the next (Interpretive Guide to Water Quality Results) is a prerequisite to intelligent use of the results presented in this document.

Delineation of Park Study Area

The first step in retrieving water resources-related data for each park was deciding on a procedure to determine the study area boundary. Since water flows through parks, utilizing the park boundary as a simple query/study area was deemed inadequate. On the other end of the continuum, using the entire watershed as the study area was considered superfluous given: (1) the areal extent of certain park watersheds (eg. the entire Mississippi River); (2) the sheer volume of potentially irrelevant data such a large study area could generate; and (3) the resources required to specify the watershed for each park unit. The approach which was ultimately adopted - a modified hydrologic boundary - reflects a compromise between the park boundary and the entire watershed. Thus the study area employed for each park is an area extending at least three miles upstream and one mile downstream from the park boundary. Although these distances are somewhat arbitrary, this approach is easy to automate and was felt to limit the data retrieved, in most instances, to that of most importance to the park. Extending the query area one mile downstream of the park was intended to capture any data immediately downstream of the park which may reflect the quality of the water in the park. A current (as possible) copy of each park's boundary was obtained in digital format directly from the park or digitized from Regional land status maps, U.S. Geological Survey (USGS) quadrangles, or other sources. Using GIS techniques, the boundary was used to create the three miles upstream, one mile downstream buffer. For a few parks with which WRD water quality specialists were very familiar with potential water quality threats and/or valuable sources of data that may lie just outside the study area, the study area may have been tweaked (enlarged) to cover these areas of concern or interest. Unfortunately, a customized study area was not feasible for all park units. Hence, the three miles upstream, one mile downstream buffer was the primary study area employed for most parks. This study area was transferred to the EPA mainframe computer and used as the basis for all water resources-related data retrievals from the data sources described below.

Data Sources

The EPA maintains many mainframe data systems related to national water resources (U.S. Environmental Protection Agency 1992). Six of these data systems were used for this project:

- STOrage and RETrieval System (STORET) - water quality parameter data, locations of sampling stations, descriptive elements about stations and parameters;
- Industrial Facilities Discharge (IFD) - locations of industrial and municipal point source discharge facilities;

- Drinking Water Supplies (DRINKS) - locations of intake pipes for drinking water supplies;
- Water Gages (GAGES) - locations of USGS and other water gages;
- Water Impoundments (DAMS) - locations of most large water impoundments (greater than 10,000 acre feet at normal pool volume) and many smaller impoundments; and
- River Reach File, Version 3 (RF3) - 1:100,000 scale geographical representation of surface waters (rivers, lakes, etc.) with a unique identifier assigned to each surface water segment and connectivity information useful for routing and navigation.

STORET is the national water quality data repository (U.S. Environmental Protection Agency 1989). Water quality data is entered in STORET by public agencies (federal, state, or local) that collect water samples and/or perform laboratory analysis. As such, STORET is a "user-beware" data system. Although the EPA manages the STORET data system and, since November 1983, has imposed some minimum quality control criteria on the data (See Appendix C), data are generated and input to STORET by the "owner" agencies. Consequently, the EPA does not certify any data within STORET. Currently, there are over 800,000 active and inactive sampling stations and more than 225 million observations covering in excess of 13,000 water quality parameters entered in STORET. The earliest data dates back to the turn of the century. Using the bi-monthly update cycle, user agencies may store results of recent monitoring activities in STORET. Included in STORET is USGS WATSTORE water quality data, which is updated on a monthly basis. Although STORET contains a phenomenal amount of data, it is important to note that data exist in STORET only if the collectors decide to upload their data to the system. Since many agencies and researchers do not upload their data to STORET, the absence of water quality data in the system for a particular area doesn't mean that there has never been any water quality data collected for the area. The data may exist in published or unpublished reports, file cabinets, or in agency-specific databases. Identifying and retrieving these other sources of data were beyond the scope of the present effort. All parameter data and water quality station location data downloaded from STORET within the park's study area are included in DBASE III+ format files on disk(s) accompanying this report (See Appendices A and B).

The data within the IFD database are extracted from the EPA's Permit Compliance System (PCS). IFD contains the facility locations of all industrial and municipal dischargers which require a National Pollutant Discharge Elimination System (NPDES) permit to operate. Over 7,100 municipal, federal, and industrial facilities discharging into the waters of the United States are tracked by PCS and IFD. If any industrial facilities discharges exist within the study area, a file in DBASE III+ format documenting a variety of information about each discharge accompanies this report on disk (See Appendices A and B).

The EPA DRINKS database identifies locations of drinking water supply intakes. This file contains data for 850 supplies which serve more than 25,000 people, and 6,800 supplies which serve between 1,000 and 25,000 people. If any drinking water intakes exist within the study area, a file in DBASE III+ format documenting a variety of information about each intake accompanies this report on disk (See Appendices A and B).

The GAGES data originates primarily with the USGS and copies are maintained on the EPA mainframe computer for ease of integration with other EPA national data systems. Although other agency's water gages, as well as some artificial gages, may appear in GAGES, the vast majority of gages are stream gages belonging to the USGS. The GAGES database contains approximately 36,000 records for both active and inactive gaging stations. If any USGS or other agency stream gages occur within the study area, a file in DBASE III+ format documenting several fields of information about each gage accompanies this report on disk (See Appendices A and B).

The Water Impoundment database was originally compiled by the U.S. Army Corps of Engineers in response to a Congressional inquiry on dam safety hazards (GKY and Associates 1990). The EPA subsequently modified the database for use in water quality investigations. Of the 68,155 dams in the database, 2,125 are considered large (impounding 10,000 acre feet or more at normal pool volume). It is important to note that while the database includes entries for 66,030 smaller dams, estimates place the actual number of dams in the U.S. at several million

(including small farm ponds). If any water impoundments occur within the study area, a file in DBASE III+ format documenting several fields of information about each impoundment accompanies this report on disk (See Appendices A and B).

The RF3 data system is a hydrologic database of surface water features across the U.S. (excluding, at present, Idaho, Oregon and Washington, which currently operate a different system - although this data is expected to be converted to RF3 soon, Alaska and Hawaii). RF3 was created primarily from 1:100,000 scale USGS Digital Line Graph data. RF3 is made up of over 3,000,000 individual "reaches". A reach is generally defined as a portion of surface water between two confluences (U.S. Environmental Protection Agency 1993). The linework underlying RF3 contains over 95,000,000 coordinate points. RF3 is designed to facilitate hydrologic routing, identifying upstream and downstream elements, and specifying the exact location of any point on a stream network. RF3 data exists as a series of traces with associated attributes. The EPA project which is producing RF3 is being conducted in three phases: Compilation, Assessment, and Revision. The Compilation phase is complete except for Idaho, Washington, Oregon, and Alaska. The Assessment phase was completed during the first half of 1994; while the Revision phase was begun in March 1994. One important outcome of the Revision phase is that the reach codes which uniquely identify each surface water feature will change. Consequently, these codes should not be used, at this time, as keys for relating other data to RF3. The RF3 data provided with this document is provisional and should be used only to provide a geographic backdrop for the park's water quality data. RF3 data covering each USGS catalog unit (a geographic area representing a single or multiple drainage basin(s), or some other distinct hydrologic feature (U.S. Geological Survey 1982)) touched by the park's study area is included in ASCII export and DBASE III+ formats on the disk(s) accompanying this report (See Appendices A and B).

For additional information on any of these data systems, contact the EPA Office of Water at (202) 260-7028.

Data Retrieval and Analysis Procedures

The six EPA data systems discussed above reside on the EPA mainframe computer located in Research Triangle Park, N.C. Horizon Systems used a dedicated, leased telephone line with a data transfer rate of 9600 bits per second to download data occurring within the park's study area from all the databases. The bisynchronous communication software and hardware provided error checking during all data transfer procedures.

As described above, the park study/query area boundary was used to select the water quality stations, industrial facilities discharges, drinking water intakes, water gages, water impoundments, and river reaches associated with the park unit. For various reasons, screening criteria (described later in this section) were employed to select appropriate water quality stations, parameters, and observations. Horizon Systems wrote several mainframe programs to automate, to the greatest extent feasible, the STORET data retrieval and storage procedures. Once the data were extracted from the EPA data systems, they were downloaded to a microcomputer for statistical analyses and reformatted into DBASE III+ compatible format.

Specifically, once on the PC, the data were processed to:

- (1) Reformat the data into DBASE III+ format and other database structures;
- (2) Eliminate questionable data outside the STORET edit criteria ranges (See Appendix C);
- (3) Display on a map the location of water quality monitoring stations and other water resources themes;
- (4) Determine the frequency of water quality observations by station, parameter, and station/parameter;
- (5) Generate descriptive period-of-record water quality statistics in a tabular format;
- (6) Generate appropriate descriptive annual and seasonal analyses of the water quality data in a tabular format;
- (7) Plot appropriate period of record time series and annual and seasonal box-and-whisker graphs;
- (8) Compare the water quality data against relevant EPA national criteria; and

- (9) Compare the water quality data against the NPS Servicewide Inventory and Monitoring Program's "Level I" water quality parameters.

Special customized microcomputer programs (primarily written in Clipper and Microsoft Professional BASIC) and procedures were created to address each of these tasks. All reformatted database files are included on disk(s) accompanying this document. The contents of these databases are described briefly below. Complete database structures are included in Appendices A and B. The descriptive water quality tabular statistics (see "Statistical Analyses" below) were computed based upon NPS specifications. Command or batch files were generated to drive STATGRAPHICS 7.0 in order to produce all the time series and box-and-whiskers plots.

Park Unit Databases

Up to seven digital databases in DBASE III+ and other formats have been created for the park by querying the water resources-related data sources described above. The disk(s) containing these databases accompany the report. The contents of each of these databases are discussed briefly below. More detailed documentation of these databases is included in Appendices A and B.

- (A) Water Quality Parameter Data: This database includes all the water quality parameter data downloaded from STORET that passed the STORET Edit Criteria, Date, Station Type, and Phase 0 Parameter screens (described below) and is summarized tabularly and graphically in this document. This constitutes the park's baseline water quality data. Since it is already in digital format, more sophisticated analysis of the data is possible than the descriptive statistics and graphics presented here.
- (B) Water Quality Station Locations: This database consists of the STORET header information describing each station where water quality data was collected. As the latitude and longitude of the station are included in the database, this file is easily imported into the park's GIS.
- (C) Industrial Facility Discharge Locations: This database includes any industrial or municipal point source discharges located within the park's study area. As the latitude and longitude of each discharge facility are included in the database, this file is easily imported into the park's GIS.
- (D) Drinking Water Intake Locations: This database includes any drinking water intakes located within the park's study area. As the latitude and longitude of each intake are included in the database, this file is easily imported into the park's GIS.
- (E) Water Gage Locations: This database includes water (stream, lake, estuary, well, spring, climate, or other) gages located within the park's study area. Most of the gages will likely be stream gages belonging to the USGS. As the latitude and longitude of each gage are included in the database, this file is easily imported into the park's GIS.
- (F) Water Impoundment Locations: This database includes any water impoundments (dams) located within the park's study area. As the latitude and longitude of each impoundment are included in the database, this file is easily imported into the park's GIS.
- (G) River Reach Data: This database includes all stream traces (1:100,000 scale) and attributes for reaches falling within any USGS catalog unit that touches the park's study area. The traces are geo-referenced in ASCII format. The attributes are in both ASCII export and DBASE III+ formats. This information is also readily incorporated into the park's GIS.

The absence of any of these seven files from the disk(s) accompanying the report indicates that there was either no data of this type within the park's study area or the data was unavailable. Several other files are included on the disk(s) accompanying this report, including digital copies of all the figures and tables contained in the document and some other items. Refer to Appendices A and B for detailed documentation of these files. Not included on

disk is an Encyclopedia File (for WRD reference) that documents the minimum and maximum values for each water quality parameter and the parks in which those values were recorded. When Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks, this Encyclopedia File will be available upon request from the NPS WRD.

Screening Methodologies and Procedures

Developing automated or semi-automated procedures to produce baseline water quality inventories and analyses for all national park units required constant testing and debugging of procedures. Three parks, Rock Creek Park, Yellowstone National Park, and Indiana Dunes National Lakeshore, were used to pilot test and refine the automated procedures. It became evident, after a preliminary analysis of all the downloaded STORET data, especially for Indiana Dunes National Lakeshore, that the specifications for the graphical analyses could generate hundreds (possibly thousands) of plots, many of which would not necessarily be useful. Also, there were many stations; parameters; and/or observations downloaded that were not part of the study's objectives; not overly useful; or of dubious quality. In order to reduce the number of graphical plots (time series, annual and seasonal box-and-whiskers) to fit within project resources, various screening criteria were investigated. Ultimately, a comprehensive set of screening criteria were developed to reduce the number of graphical plots. After initial counts of the total number of possible time series and annual and seasonal box-and-whiskers plots were generated, these counts were used to decide which screening criteria would be applied to limit the number of these plots produced for the park unit. Additional screening criteria were employed to restrict the tabular descriptive statistics results to only those deemed useful to the park. Table A provides the categories of screening criteria and to which analyses the screens were applied. A "yes" entry in the table means that the screening category eliminated or prevented data from appearing in certain tables and plots contained in the document. Consequently, in understanding how data from STORET was used in this report, it may be helpful to keep in mind the three general types of screening criteria: (1) screens that apply to stations; (2) screens that apply to certain parameters at stations; and/or (3) screens that apply only to particular observations of parameters at stations. A detailed description of each of the screening criteria categories follows this table. *It is important to note that statistics in "Inventory" reports may not be consistent with statistics in "Overview" reports since different categories of screening criteria were applied.* Also, if attempting to replicate the results of the statistical and graphical analyses presented in this document, be sure to follow the same screening methodologies.

STORET Edit Criteria

As mentioned previously, STORET is a "user-beware" data system. As the EPA doesn't certify any data in STORET, public agencies enter and are responsible for the quality of their own data. Only data entered since November 1983 have been subjected to any rudimentary edit/bounds checking. Agencies entering data since this date can elect to override the edit/bounds checking for individual observations. USGS WATSTORE water quality data is entered into STORET without any EPA edit/bounds checking to ensure data integrity between WATSTORE and STORET. Unfortunately, during the course of our pilot tests, erroneous USGS and EPA water quality data values were discovered. In order to eliminate as much "bad" data as possible, all water quality data downloaded from STORET was subjected to automatic edit/bounds checking (STORET Edit Criteria contained in Appendix C) for the 190 most common parameters. Observations falling outside the STORET Edit Criteria were documented (See the Water Quality Observations Outside STORET Edit Criteria for Park section in the Water Quality Results chapter) and then retained or discarded from the database and all tables and plots based on whether the value was judged as being in the realm of possibility. Although the STORET Edit Criteria screen likely removed some "bad" data for these common parameters, the probability of other erroneous data in the database is high. Be sure to consult the Caveat section in the Introduction.

Table A. Categories of Screening Criteria and to Which Output Products They Apply (A "yes" Entry Means the Screening Category Eliminated or Prevented Data From Being Used in the Product):

Screening Category	Data Download	Overview Tables	Inventory Tables	Annual Tables	Seasonal Tables	Standards Tables	Plots (All)
STORET Edit Criteria	yes	yes	yes	yes	yes	yes	yes
Date	yes	yes	yes	yes	yes	yes	yes
Station Type	yes	yes	yes	yes	yes	yes	yes
Phase 0 Parameter	yes	yes	yes	yes	yes	yes	yes
Phase 1 Parameter	no	no	yes	yes	yes	yes	yes
Media Type	no	no	yes	yes	yes	yes	yes
Remark Codes	no	no	yes	yes	yes	yes	yes
Composite Type	no	no	yes	yes	yes	yes	yes
Phase 2 Parameter	no	no	no	no	no	no	yes
Observations/Period of Record	no	no	no	yes	yes	no	yes

Date Screen

Every water quality observation in STORET typically has a sampling date associated with it. Unfortunately, STORET does not prevent users from entering incorrect dates. Consequently, any water quality observation with an incorrect and/or suspect date (eg. a month greater than 12; a day greater than 31; or a sample date later than the STORET retrieval date) were discarded.

Station Type Screen

STORET contains data from a wide variety of stations classified by the type of waterbody in which samples were collected. As this project's purpose was to inventory and analyze surface-water quality, the following surface-water station types were retrieved (clarification provided in parentheses):

Station Types Included In Retrieval

- (a) STREAM
- (b) CANAL
- (c) LAKE
- (d) RESERV (Reservoir)
- (e) SPRING
- (f) FWTLND (Fresh Water Wetland)
- (g) SWTLND (Salt Water Wetland)
- (h) ESTURY (Estuary)
- (i) OCEAN

Ground water and/or other station type data may have been retrieved if the entering agency classified the station type incorrectly. Rectifying this error was beyond the scope and resources of this project.

Phase 0 Parameter Screen

Nearly all water quality parameters associated with each station type listed above were retrieved. The only exception to this was the exclusion of most of the STORET administrative parameters. A complete list of STORET administrative parameters is included in Appendix D. The few administrative parameters that were included in the retrievals are as follows:

<u>Code</u>	<u>STORET Administrative Parameter Description</u>
00027	Code No. for Agency Collecting Sample
00028	Code No. for Agency Analyzing Sample
00063	Sampling Points, Number of In a Cross Section
00111	Ratio of Fecal Coliform to Fecal Streptococci
00115	Sample Treatment Code (1=Raw, 2=Treated)
34772	NPDES Number, Cross Reference
45580	Method of Analysis
74065	Stream Flow Class
74066	Annual Runoff
74067	Soil Classification
74068	Water Quality Designated Use Classification

Phase 1 Parameter Screen

Some of the data retrieved from STORET was not suitable for statistical or graphical analysis. Consequently, this screening criterion eliminated all parameters which were not suitable for statistical or graphical analysis within the context of this project. The full list of these parameters is presented in Appendix E. Examples of parameters excluded from statistical and graphical analysis include the administrative parameters mentioned above, land use acreage, encoded values, dates, latitude/longitude, etc. Excluded parameters do, however, appear in the Parameter Period of Record and Station/Parameter Period of Record (two of the "Overview" Tables), as well as in the water quality parameter file included on disk(s) accompanying this report.

Media Type Screen

Water quality samples can be taken in a variety of aqueous media. Water quality data were retrieved from STORET only if the media were WATER or VERT (vertically integrated). WATER and VERT samples comprise the overwhelming majority of samples in STORET. The media screen eliminated the following water quality sampling media:

<u>Media Screen</u>	<u>Description</u>
BOTTOM	Sampled At the Bottom
DREDGE	Sampled By Dredge
PORE	Pore Sample
CORE	Core Sample

Remark Code Screen

STORET enables the agency collecting water quality samples to provide a qualifying remark for each parameter observation. These remarks provide additional information about the measured or observed value entered into STORET (See Appendix B - Parameter Data File for a complete listing and description of all remark codes). Based on the STORET remark codes, two potential screens were applied to water quality observations based on whether the measured value was used in subsequent analyses: (1) Elimination or (2) Modification/Inclusion.

Elimination:

Non-composite water quality parameters with the remark codes presented in Table B were eliminated from the period of record, annual, and seasonal descriptive statistics and graphics. Not including observations with these remarks was justified by the fact that most of the remarks: (A) indicate either less confidence in the measured value; (B) are remarks for nominal or categorical data that doesn't lend itself to statistical analysis; or, (C) complicate the statistical analysis beyond the scope of this effort. Observations containing these remark codes comprise a very small fraction of the data. Although statistical analyses weren't undertaken on this data, all water quality observations, regardless of remark code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to eliminate all non-composite observations with the remark codes presented in Table B.

Table B. Non-composite Parameters With the Following Remark Codes Were Eliminated From Statistical and Graphical Analysis:	
Remark Code	Description of STORET Remark Code
F	Female Species.
J	Estimated, Not the Result of Analytic Measurement.
M	Presence Verified, But Not Quantified, Below Quantification Limit. For Species, Male. For Oxygen Reduction Potential, Indicates Negative Value.
N	Presumptive Evidence of Presence.
O	Analysis Lost.
V	Analyte Was Detected In Sample and Method Blank.
W	Less Than Lowest Value Reportable Under Remark "T".
Z	Too Many Colonies Were Present to Count (TNOC), Value Represents Filtration Value.

Modification/Inclusion:

Water quality parameter observations with the remark codes presented in Table C were halved prior to inclusion in period of record, annual, and seasonal descriptive statistics and graphics. These remark codes deal with observations that were below the detection limit for the parameter. The common water quality data analysis convention for these remark codes is to use half of the detection limit in statistical analyses (Ward, Loftis, and McBride 1990; Gilbert 1987). Although this is a somewhat defensible treatment of observations below the detection limit, the statistics that may be computed using these halved values may not be defensible. Consequently, any computed statistics in inventory, annual, or seasonal tables that are comprised of 50% or more K, T, and U remark codes are footnoted "Computed with 50% or more of the total observations as values that were half the detection limit." This will provide the user with some caution in using and interpreting these results. Water quality data included on disk(s) accompanying this report that may have these remark codes are stored as the original entry (detection limit). If you re-analyze this data in order to replicate the results presented here, be sure to substitute half the detection limit value in the database whenever these remark codes are encountered.

Table C. The Value of Water Quality Parameters With the Following Remark Codes Were Halved (Half of the Detection Limit Entered In STORET) Prior to Inclusion In Descriptive Statistics and Graphics:

Remark Code	Description of STORET Remark Code
K	Off-scale Low, Actual Value Not Known, But Known to Be Less Than Value Shown.
T	Less Than Detection Criteria.
U	Analyzed For But Not Detected, Value is Detection Limit For Process Used. If Species, Undetermined.

Composite Type Screen

Sometimes data entered in STORET represent something other than a single measurement at one location at one point in time. These samples are typically referred to as composite samples due to the fact that they vary temporally and spatially. Consequently, the observation entered into STORET for composite data is typically a computed value that summarizes the data over time and/or space. Such data complicate statistical and graphical analyses and must be handled separately. Such treatment was beyond the scope of this study; although composite values typically represent only a fraction of STORET observations. The composite type screen eliminates all composite observations from statistical and graphical analyses, except those with a composite type code of "A" that have a one day or less sampling period and those with a composite type code "D". All water quality observations, regardless of composite type code, are included on disk(s) accompanying this report. If you re-analyze this data in order to replicate the results presented here, be sure to exclude all composite observations except those with a code of "A" that have a one day or less sampling period and those with a code of "D". Table D presents a list of possible STORET composite type codes.

Table D. Possible STORET Composite Type Codes

Composite Type Code	STORET Composite Type Description
A	Average
H	Maximum
L	Minimum
N	Number of Observations
#	Number of Observations
S	Standard Deviation
U	Sum of Squares
V	Variance
C	Coefficient of Error
X	Coefficient of Variance
E	Skewness
F	Kurtosis
Z	Number of Obs. That Exceed An Established Limit
%	Precision
\$	Accuracy
B	N/A
D	Indicates Replicate Sample

Phase 2 Parameter Screen

Due to budgetary limitations, the number of graphical plots (time series, annual and seasonal box-and-whiskers) produced had to be manageable - typically no more than 100 total plots. After scrutinizing the results of the pilot tests and the Baseline Water Quality Data Inventory and Analysis Reports produced for the first group of parks, the 19 parameters which, typically, were the most frequently measured at nearly all stations were water temperature, stage, discharge, and various meteorological measurements (See Table E). Consequently, most of the graphical plots produced would be of water temperature, stage, discharge, and meteorological conditions. Although these are important parameters, particularly in conjunction with other water quality parameters, it was felt that plotting resources would be better allocated to other water quality parameters. Consequently the STORET parameter codes listed in Table E never generated graphical plots. It is important to note, however, that these parameters are included in all other aspects of the project, including all applicable period of record, annual, and seasonal descriptive statistics tables.

Table E. Frequently Measured STORET Codes That Were Prevented From Generating Plots

STORET Parameter Code	STORET Parameter Description
00003	Sampling Station Location, Vertical (Feet)
00010	Water Temperature (Degrees Centigrade)
00020	Temperature, Air (Degrees Centigrade)
00021	Temperature, Air (Degrees Fahrenheit)
00025	Barometric Pressure (MM of HG)
00032	Cloud Cover (Percent)
00035	Wind Velocity (Miles Per Hour)
00036	Wind Direction in Degrees from Trun N (Clockwise)
00040	Wind Direction (Azimuth)
00045	Precipitation, Total (Inches Per Day)
00046	Precipitation, Total (Inches Per Week)
00052	Humidity, Relative (Percent)
00061	Stream Flow, Instantaneous (CFS)
00065	Stream Stage (Feet)
81903	Depth of Bottom of Water @ Sample Site (Feet)
82553	Rainfall In 1 Day Inclusive Prior to Sample (Inches)
82554	Rainfall In 7 Days Inclusive Prior to Sample (Inches)
82371	Rainfall In 3 Days Inclusive Prior to Sample (Inches)
82372	Rainfall In 14 Days Inclusive Prior to Sample (Inches)
85599	Precipitation, Total/Period-Rain Equivalent (Cm/Sample)

Observations/Period of Record Screen

Despite never plotting water temperature, stage, discharge, and meteorological measurements, the number of plots generated by some parks still exceeded the 100 plot limit. Also, some rationale was needed to plot only those parameters with sufficient data density to make a meaningful statistical graphic. For example, time series plots comprised of only a few observations or annual or seasonal box-and-whiskers plots with limited observations and/or data in only one or two years or seasons are not very informative. Consequently, a number of plotting criteria were developed to limit the number of time series and box-and-whiskers plots to, at most, 100 informative graphics by using each parameter's number of observations and period of record. Similar, albeit less stringent criteria, were used for including results of annual and seasonal analyses in descriptive statistics tables. Consequently, there are more summaries of annual and seasonal results in tables than in graphics. Whenever an entry in an annual or seasonal table generated a plot, this entry was footnoted to notify the reader of the presence of the graphic. Due to differing quantities of data at parks, different screening criteria were employed. The same

criteria for appearance in seasonal and annual tables were used for all parks. Table F presents the least stringent plot screens.

Table F. Least Stringent Plot Screening Criteria Used to Limit the Number of Plots Generated

Time Series:

To generate a time series plot, a station/parameter combination must have a period of record of at least 2 years and a total of at least 8 observations.

Annual Analysis:

To generate an annual box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive.

Seasonal Analysis:

To generate a seasonal box-and-whiskers plot, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.

The exact three plot screens used varied by park unit and are documented in the Overview section of the Water Quality Results chapter. If your park's plotting criteria deviated from these least stringent criteria, it is because too many plots would have been generated using these criteria.

The criteria used for appearance of station/parameter combinations in annual and seasonal analysis tables are presented in Table G. These tabular criteria, which are actually the least stringent plotting criteria, were constant from park to park.

Table G. Criteria Used for Generating Entries in Annual and Seasonal Analysis Tables

Annual Analysis:

For an entry to appear in an annual table, a station/parameter combination must have at least 9 observations in each of at least 4 years. The years do not have to be consecutive.

Seasonal Analysis:

For an entry to appear in a seasonal table, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years. The years do not have to be consecutive.

Statistical Definitions

Since this report is intended only to characterize historical and/or existing water quality at the park rather than address specific water quality problems, only simple descriptive statistics are presented. Inferential and non-parametric statistical analysis to examine relationships and trends were beyond the scope of the study. The complete water quality dataset is provided on disk accompanying this report to afford the opportunity for more detailed exploratory data analysis. The descriptive statistics are included in the inventory, annual, and seasonal tables. Table H provides a brief definition of each descriptive statistic provided for each parameter at a station.

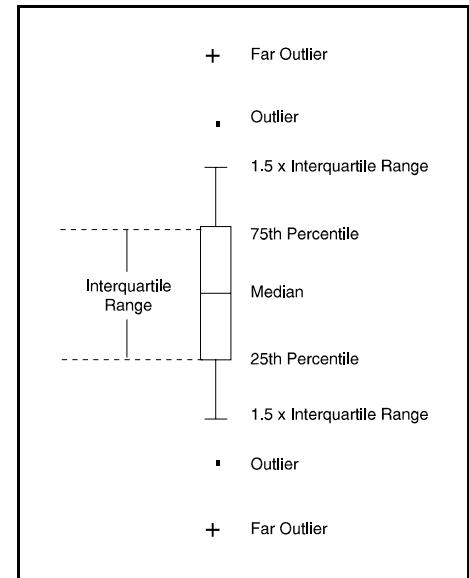
Table H. Definition of Descriptive Statistics Contained in Inventory, Annual, and Seasonal Tables

Observations:	The number of samples collected.
Median:	The median is the 50th percentile or the value in a dataset sorted in ascending order that exceeds 50% of all observations, yet is also exceeded by the remaining 50% of all observations.
Mean:	The sum of all observations collected divided by the number of observations.
Maximum:	The maximum value observed.
Minimum:	The minimum value observed.
Variance:	This is a measure of variability or dispersion of the observations; or, in other words, describes how many observations are close (or far), from the mean. It is calculated as the weighted average of the squared deviations from the mean.
Standard Deviation:	The positive square root of the variance.
10th Percentile:	The value in a dataset sorted in ascending order that exceeds 10% of all observations, yet is itself exceeded by the remaining 90% of all observations.
25th Percentile:	The value in a dataset sorted in ascending order that exceeds 25% of all observations, yet is itself exceeded by the remaining 75% of all observations. The 25th percentile is also known as the first quartile.
75th Percentile:	The value in a dataset sorted in ascending order that exceeds 75% of all observations, yet is itself exceeded by the remaining 25% of all observations. The 75th percentile is also known as the third quartile.
90th Percentile:	The value in a dataset sorted in ascending order that exceeds 90% of all observations, yet is itself exceeded by the remaining 10% of all observations.

As with the tabular descriptive statistics, the scope of the project limited the generation of exploratory graphics to time series plots and annual and seasonal box-and-whiskers plots. Plots were only generated, however, provided the parameter met or exceeded the relevant plotting criteria specified in the previous section.

Time series plots display the parameter concentration on the Y-axis and the date on the X-axis. This provides the user with a visual feeling for not only the parameter's concentration and variability over time, but also the density of data in different time periods. The time series plots provide a visual representation of the data in the basic station inventory. Due to software limitations, a line connects each measured value in sequence regardless of the time period between samples. Readers are cautioned not to assume that the concentration of the parameter between any two data points can be represented by a straight line. It is likely that the concentration varied between any two observations, particularly if the observations are separated by a significant time period.

The annual and seasonal box-and-whisker plots provide a graphical overview of the measured data and give the user a better understanding of the data's distribution and possible outliers. In essence, the box-and-whisker plots provide a visual representation of the data contained in the annual and/or seasonal tables. The interpretation of the boxes is provided in the figure to the right. Each box encompasses the middle 50 percent of measured values (from the 75th to 25th percentiles). The difference between the 75th and 25th percentiles is also known as the interquartile range. The horizontal line inside each box is the median or 50th percentile. The lines which extend out from each end of the box are the whiskers. The whiskers extend out from first quartile (25th percentile) and third quartile (75th percentile) to the smallest data point within 1.5 interquartile ranges from the first and third quartiles. Observations that extend beyond the whiskers are known as outliers. Far outliers are observations whose values lie more than three interquartile ranges below the first quartile or above the third quartile. These are designated with plus signs.



INTERPRETIVE GUIDE TO WATER QUALITY RESULTS

This interpretive guide discusses each of the products presented in the next chapter - Water Quality Results. This chapter highlights how each of the tables and figures were prepared and how they can be used. Each subheading in this chapter corresponds to a particular product in the subsequent Water Quality Results chapter.

Overview

The Overview provides a brief one-page summary of the results of the various database retrievals for both the study area and the park. The study area results include the park results since the study area encompasses the park and all lands and waters within at least 3 miles upstream and 1 mile downstream of the park. Thus, the GIS estimated acreage of the study area should always be greater than the park acreage. The park acreage was computed from the digital boundary that was obtained for the park. More than likely this acreage will differ, perhaps significantly, from the "official" published acreage for the park due to the spatial and temporal accuracy of the digital boundary, treatment of inholdings, and other concerns. The number of STORET stations is the number of locations within the study area and park where an agency monitored (or intended to monitor) water quality. The number of stations with no data reveals the number of stations created in STORET for which water quality data were never entered. The number of stations with no statistical analysis reports the number of stations in the study area and park that contain data not amenable to normal parametric statistics. The number of longer term stations indicates the number of stations in the study area and park with at least 6 parameters having periods-of-record extending 2 years with an average of at least 1 observation per year over the period-of-record. The date of STORET retrieval is the calendar date when Horizon Systems downloaded all the data from STORET. Thus, the report documents all data entered in STORET prior to the retrieval date. Keep in mind that an agency can upload archival data at any time. Consequently, a retrieval date only guarantees that as of that date, this report contains all the data that had been entered into STORET. The period of record is the earliest date for which water quality data exist in STORET for the study area and park up to the date when the most recent data were entered prior to the retrieval date. The number of parameters measured is the number of unique water quality parameters measured within the study area and park and entered in STORET. The number of water quality observations is the sum of the total number of observations across all parameters within the study area and park. The number of industrial/municipal facilities discharges, drinking water intakes, water gages, and water impoundments are the number of each of these entities found within the study area and park. The number of time series, annual, and seasonal plots are the number of these different types of graphics produced by station/parameter combinations within the study area and park using the plotting criteria described in the previous chapter. The hydrologic seasons, described below, are the seasons used for the seasonal water quality data analysis. The time series, annual, and seasonal criteria are the plot and tabular screening criteria described in the previous chapter.

Regional Location Map

The Regional Location Map provides a small scale, general representation of the park and study area location within the United States. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report.

Water Quality Monitoring Locations Map(s)

The Water Quality Monitoring Locations Map(s) usually provides a larger scale representation of the park and study area than the Regional Location Map. This map indicates the locations within the study area where water quality has been monitored and the data entered into STORET. The water quality monitoring stations are labelled sequentially with the rightmost significant digits. The station names were assigned in numerically ascending order by latitude (for parks with a greater north-south extent than east-west) or longitude (for parks with a greater east-

west extent than north-south). Thus, this map serves as a visual index to the water quality data contained in the report. Since the 1:100,000 scale hydrography (from the River Reach File Ver. 3.0 or other sources) is displayed on the map, users can refer to the map to locate the station number on the reach in which they are interested and then find the appropriate section in the report that documents the water quality at that station. If the scale allows, USGS catalog units are also displayed on the map to provide an approximation of drainage basins. More than one Water Quality Monitoring Location map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are included on the disk(s) accompanying this report. The digital, geo-referenced data files documented in Appendices A and B will allow the park to create water quality monitoring stations as a coverage in their GIS.

Dischargers, Drinking Intakes, Gages, and Impoundments Map(s)

The Dischargers, Drinking Intakes, Gages, and Impoundments Map(s) displays the same information as the Water Quality Monitoring Location Map(s) except the water quality stations are replaced by industrial/municipal facilities discharges, drinking water intakes, active and inactive gage locations, and water impoundments. This map also serves as a visual index allowing the user to determine the identification code of each discharger, drinking intake, gage, or impoundment. This number can then be used to obtain additional information about the entity on the following page of the report or to refer to the more detailed database files accompanying the report on disk. These more detailed database files are geo-referenced (See Appendices A and B), thus allowing the park to create these coverages in their GIS. More than one Dischargers, Drinking Intakes, Gages, and Impoundments map may be presented if the scale requires breaking the area into multiple maps for legibility. If multiple maps are necessary, an index map showing the geographic extent of each sub-map or panel will be present. Digital, reproducible copies of this graphic are also included on the disk(s) accompanying this report.

Industrial Facilities Discharges, Drinking Water Intakes, Water Gages, and Water Impoundments Table

This table provides some additional information about each of the discharges, drinking intakes, water gages, and water impoundments displayed on the previous map(s). This information generally includes the site identification number; the station or facility name; an address or some other indication of location; and some other pertinent information. More detailed information about each of these entities is contained in the database files on disk accompanying the report (See Appendices A and B).

Representative Mean Annual Hydrograph for Seasonal Analysis

One component of the water quality data analysis contained in the document is a seasonal analysis of the data (where adequate data exist). In order to undertake this analysis, some representation of the park's seasons was required. Seasons can be based on many factors (eg. hydrologic, climatic, recreational use, etc.). Since project resources did not allow us to contact every park and discuss with resource management staff what appropriate seasons may be for the park, WRD staff elected to adopt primarily a hydrologic/climatic definition of the seasons which uses a process of hydrograph separation to glean seasons from stream discharge patterns. The procedure employed to make these determinations was as follows:

- (1) Find the nearest USGS Hydro-Climatic Data Network (HCDN) station (U.S. Geological Survey 1992) to the park that is most representative of streamflow conditions at the park. The HCDN is basically a subset of USGS streamflow stations, including only those stations that are unaffected by artificial diversions, storage, or other disruptions of the natural channel. All HCDN stations generally have at least a 20 year period of record. Consequently, discharge patterns at these stations should reflect only hydrologic and climatic influences. For the most part, selected HCDN sites were typically within 15-20 miles of the park. In some parks where WRD staff were aware of the existence of a stream gage located within the park that would be more representative of park waters even though it wasn't an HCDN site, this gage was selected.

- (2) Retrieve the daily discharge values for the selected station from the USGS Daily Values File and generate a mean annual hydrograph and a box-and-whiskers plot of daily flows by month.
- (3) Interpret the plots based on our knowledge of the hydrologic regime at these parks and assign seasons.

This approach, used for the majority of parks, assumes that most water quality data at the park will be found in streams and that the discharge pattern of the selected stream is representative of the seasons for all park waterbodies. Although this assumption may be weak for certain parks, project resources did not allow a more thorough investigation. For parks where there wasn't any stream gage (HCDN or otherwise) deemed representative of park waters, precipitation records from a nearby meteorological station were obtained from the National Climatic Data Center. Plotting daily average precipitation and box-and-whiskers of monthly precipitation sums allowed WRD hydrologists to make a rough approximation of climatic seasons for use in analyzing the water quality data.

Again, it is important to note the many ways of defining "seasons" and thus the limitations of the seasonal analysis contained in this document. For certain parks it may be more useful to perform a seasonal analysis with seasons defined by recreational use patterns or some other natural or anthropogenic factor. This option is available to the park since all the water quality data analyzed in this document is contained on disk(s) accompanying this report. Digital, reproducible copies of this seasonal analysis graphic are also included on the disk(s) accompanying this report.

Contacts for Agency Codes Retrieved

This table provides a list of the organizations who have entered data into STORET. A contact name at the organization and a phone number are also supplied. The agency code in the first column is the key for identifying which stations belong to that agency. This code will appear in the first line of each station's inventory. Although the agencies listed in this table are potential partners for future water quality monitoring or management endeavors, don't be surprised if the name of the contact and/or the telephone number is out of date. This information is entered when an agency first creates a station. The agency may not update this information when the initial contact moves on or the telephone number changes. Nonetheless, it is likely that the contact or someone else at the agency may be able to provide you with project reports or other information relative to the agency's data. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Quantity of Data Retrieved by Agency Code

This table displays the period-of-record; numbers of water quality stations, longer-term stations, and stations without data; total number of water quality observations; and the number of unique water quality parameters measured by each agency within the study area and park boundary. Using this table, a park can quickly determine which agencies collect the most data in and around the park and whether they have monitored recently. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station Period of Record Tabulation

The Station Period of Record Tabulation provides a quick overview of the names of all the stations within the study area where water quality has been monitored and data entered into STORET. It also furnishes the total number of observations taken at each station and the frequency of observations between certain dates: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75. The station identification number, the four character park abbreviation code followed by a four digit number, provides the means to jump from a particular station in the table to the statistical and graphical analyses for this station contained in the Station-By-Station Results section. The Station Period of Record Tabulation reveals which water

quality stations were situated within the park as defined by the park's GIS boundary. The Station Period of Record Tabulation also footnotes longer-term water quality stations. Longer-term stations are those that have at least 6 parameters with an average of one or more observations per year for those parameters during a period of record extending at least two years. Note that although a station may not be flagged as longer-term, it can still harbor much important data (albeit for only a few parameters or over a very long term with just a few observations). A digital copy of this table accompanies this report on disk (See Appendices A and B).

Parameter Period of Record Tabulation

The Parameter Period of Record Tabulation provides a complete listing of every water quality parameter ever measured in the study area and entered into STORET. This table is a summation of all the water quality observations for each parameter across all stations in the study area. Like the Station Period of Record Tabulation, the total number of observations for each parameter and the frequency of observations between: (1) 01/01/85 until the most recent date data were measured; (2) 01/01/75 - 12/31/84; and (3) prior to 01/01/75 are provided. This table is handy for quickly assessing whether particular parameters have been measured in the study area. The Parameter Period of Record Tabulation also shows how many in-park (and total) water quality stations contained data for each parameter. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station/Parameter Period of Record Tabulation

The Station/Parameter Period of Record Tabulation combines the information found in the Station Period of Record Tabulation and the Parameter Period of Record Tabulation. This table provides a listing of all the stations where a particular water quality parameter was measured in the study area and the data entered into STORET. The table provides the start and end dates of the period of record of each parameter at each station; the number of years of measurement (computed from the start and end dates); whether the station/parameter combination occurred within the park boundary; the total number of observations for each parameter at each station, and whether a time series (T), annual (A), and/or seasonal (S) plot was generated for the station/parameter combination in the Station-By-Station Results section. This table is very useful when you need to determine at which locations within the study area (or park) particular parameters were monitored and how much data was collected there. Some administrative parameters and parameters not suitable for statistical analysis within the context of this project (as discussed in the Screening Methodologies and Procedures section of the Methodology chapter) are listed in the Station/Parameter Period of Record Tabulation, but not in the Station-By-Station Results section. A digital copy of this table accompanies this report on disk (See Appendices A and B).

Station-By-Station Results

Probably the most voluminous portion of the document is the Station-By-Station Results. Here the results of the water quality analyses for each station are presented in sequence. The results include the station inventory; parameter inventory; EPA water quality criteria analysis; and, as applicable, time series graphics and annual and seasonal tables and box-and-whiskers graphics. Each of these products are discussed below.

Station Inventory for Station

Each station's data commences with its Station Inventory. The Station Inventory provides the descriptive attributes about each water quality monitoring station contained in STORET. This includes a variety of locational information such as a verbal description, the Federal Information Processing codes for county and state, latitude and longitude, and other items; the station type (stream, spring, estuary, etc.); monitoring agency; creation date; indices to the River Reach File; whether the station lies within the park boundary; and several other attributes. This water quality station location data is also contained on disk(s) accompanying the report (See Appendices A and B).

Parameter Inventory for Station

Following the descriptive attributes about a station is the Parameter Inventory for the station. The Parameter Inventory provides a complete inventory and descriptive summary of all the water quality parameter data for the station. This table furnishes the parameter STORET code and name; the period of record for this parameter at this station; and the descriptive statistics defined in the Statistical Definitions in the previous chapter. Three different footnotes can appear on a parameter's descriptive statistics. Two asterisks (**) in the 10th, 25th, 75th, or 90th percentile columns indicates that there was insufficient data to compute these statistics for this parameter. Percentiles were not computed unless the parameter had at least 9 observations. Two number signs (##) next to the number of observations indicates that more than 50 percent of the observations entered into the computations as values that were taken to be half the detection limit. Caution should be employed in interpreting and using statistical results when more than half the values are set to half the detection limit. The letter "p" following a numeric STORET parameter code in the Parameter Inventory indicates that a time series plot was produced for this parameter at this station. Digital, reproducible copies of the Parameter Inventory tables are contained on the disk(s) accompanying this report.

Two downloaded parameter groups, pH and bacteriological, received special treatment whenever descriptive statistics were computed in the Parameter Inventory (as well as subsequent annual and seasonal tables). Whenever pH appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original pH entry; (2) pH computed from conversion to and from $\mu\text{eq/l H}^+$; and (3) $\mu\text{eq/l H}^+$. The reason for these conversions is that pH is actually the negative logarithm of the hydrogen ion concentration. To be technically correct in computing descriptive statistics, pH values must be converted to $\mu\text{eq/l H}^+$ (Kunkle and Wilson 1984). Once the descriptive statistics are computed using the pH values expressed as $\mu\text{eq/l H}^+$, the results can be converted back to pH. The three pH entries in the descriptive statistics table will all have the same STORET code.

Whenever a bacteriological parameter appears in a descriptive statistics table, the entry is increased to 3 entries: (1) the original bacteriological entry; (2) an entry computed using the log of each measured value; and (3) an entry that simply reports the geometric mean. The reason for converting to logs and displaying the geometric mean is convention. Bacteriological water quality standards typically reference the geometric mean rather than the arithmetic. The three bacteriological entries in the descriptive statistics tables will all have the same STORET code.

EPA Water Quality Criteria Analysis for Station

The EPA Water Quality Criteria Analysis table follows the Parameter Inventory. This table presents a comparison between the station's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. In most cases, the EPA water quality criteria values are single sample concentrations that can be directly compared to single sample STORET entries. There are, however, two notable exceptions to this single sample/single value comparison: ammonia and fecal-indicator bacteria. For these two parameters, criteria are either derived from or depend on the results of other chemical characteristics of the water or require a time series statistical treatment of multiple samples to determine whether the criterion has been exceeded. The EPA ammonia criterion is pH and temperature dependent. To calculate the criterion for each ammonia sample value was beyond

the scope of this project. Consequently, ammonia criteria were not included in Appendix F or the EPA Water Quality Criteria Analyses. Un-ionized ammonia criteria can be determined from formula table values included in the EPA Silver Book (Environmental Protection Agency 1995).

For the purposes of this project, fecal-indicator bacteria data were flagged as exceeding criteria when their concentrations exceeded 200, 1000, 126, and 33 (fresh)/35 (salt) colony forming units or most probable number for single samples of fecal coliform, total coliform, *E. coli*, and enterococci, respectively. These values represent only approximations of the criteria for primary contact recreation waters where criteria are typically expressed in terms of a geometric mean computed with no less than 5 samples during a given month. When a fecal-indicator bacterial observation exceeds a criterion in the EPA Water Quality Criteria Analysis section, the reader should refer to the corresponding geometric mean calculations in the preceding Parameter Inventory. Long-term geometric means that exceed the respective water quality criteria for multiple samples are more indicative of chronic bacteriological problems than single sample values.

Water quality observations carrying non-detection or below-detection limit remark codes (K, T, and U) required special treatment in the EPA Water Quality Criteria Analysis. As with the statistics in the Parameter Inventory, half the detection limit was the value used in the EPA Water Quality Criteria Analysis. For certain observations, however, half the detection limit may exceed a water quality criterion. For those observations it would be inappropriate to classify them as exceeding a criterion since the actual value wasn't known. Thus, it was decided that any below detection limit or non-detect observations that exceed a water quality criterion using half the detection value would be excluded from the EPA Water Quality Criteria Analysis. If non-detect or below detection limit values are excluded from the EPA Water Quality Criteria Analysis for a particular parameter, the total observations for that parameter will be footnoted with an ampersand (&). This will also explain the difference between the total observations in the Parameter Inventory and the EPA Water Quality Criteria Analysis. Non-detect or below detection limit values are included in the EPA Water Quality Criteria Analysis, however, if half the detection limit doesn't exceed the parameter's criterion.

The EPA Water Quality Criteria Analysis for each station lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis table is a good starting point for assessing potential water quality problems at the station, the reader is strongly encouraged to read the caveat section in the Introduction concerning drawing conclusions about water quality problems from this table. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Time Series Plots for Station

Following the EPA Water Quality Criteria analysis will be any Time Series Plots for each parameter that met the time series plot screening criterion selected for the park unit. If a time series plot is generated for a particular parameter at a station, a "p" will appear next to the STORET parameter code in the Parameter Inventory. If no time series plots are present for the particular station, the data did not meet the time series screening criterion listed in the Overview section of the Water Quality Results chapter. The x-axis on these plots is the period of record, listing only the 2-digit calendar year for clarity (i.e. 1983 is presented as 83). The y-axis is the concentration of the selected parameter in its measurement units. In general, the units for a given parameter are given either on the y-axis or in the parameter description in the subtitle of the graph. Subtitle and/or y-axis parameter descriptions may be truncated on the plots so as to not exceed the maximum number of plotting characters. Y-axis values less than zero are sometimes shown for better representation of the entire plot. The station identification code, parameter description, and parameter STORET code are presented in the main title. The footnote provides a descriptive location name. Observations on the plot are represented as squares. Lines are drawn connecting each successive observation. As mentioned previously in the Statistical Definitions section of the Methodology chapter, the interconnecting line is drawn only for ease of reading and provides no indication of what the actual parameter

values were between the two observed measurements. Digital, reproducible copies of all time series plots accompany the report on disk (See Appendices A and B).

For time series plots of pH, the original pH values are plotted. For time series plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a time series plot for bacteriological parameters is log-linear.

Annual Analysis for Station

If more than 9 observations exist in each of at least 4 years for a particular parameter at a station, an Annual Analysis table will be generated. Entries will be made in the table for each parameter having more than 9 observations in each of at least 4 years. The Annual Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by year, rather than the entire period of record. Although some of the years may not contain 9 observations, these years still have an entry in the table. A parameter needs only to have 9 observations in any 4 years of its period of record to qualify for the Annual Analysis table. Like the Parameter Inventory, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Annual Analysis table that also meet the annual analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Annual Box-and-Whiskers Plots for Station

Entries in the Annual Analysis table that meet the annual box-and-whisker plot screening criterion will generate Annual Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each year of the period of record, even if less than 9 observations were recorded in the year. The axis labeling and plot titling is the same as for the time series plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For annual box-and-whiskers plots of pH, $\mu\text{eq/l H}^+$ are plotted. For annual box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of an annual box-and-whiskers plot for bacteriological parameters is log-linear.

Seasonal Analysis for Station

As explained above, a park's hydrologic seasons for seasonal water quality analysis were determined using a process of hydrograph separation and other techniques. If a parameter has more than 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years, a Seasonal Analysis table will be generated for the station. The Seasonal Analysis presents the same descriptive statistics as the Parameter Inventory table, except that it provides the statistics by season, rather than the entire period of record. Although certain parameters for a season at a station may not contain 9 observations, these parameters can still have an entry in the table. A parameter needs only to have 9 observations in each of 2 seasons with a period of record of at least 6 years and observations in at least 3 of the 6 years to qualify for the Seasonal Analysis table. Consequently, some of the parameters could have fewer than 9 observations in a particular season but still generate a table entry. Like the Parameter Inventory and Annual Analysis, percentiles with fewer than 9 observations are not computed and entries computed with greater than 50 percent of the data values set to half the detection limit are flagged. Entries in the Seasonal Analysis table that also meet the seasonal analysis box-and-whisker plot screening criterion will be flagged with a "p" next to the STORET code. Digital, reproducible copies of these tables accompany the report on disk (See Appendices A and B).

Seasonal Box-and-Whiskers Plots for Station

Entries in the Seasonal Analysis table that meet the seasonal box-and-whisker plot screening criterion will generate Seasonal Box-and-Whiskers Plots. The interpretation of box-and-whiskers plots is explained in the Statistical Definitions section of the Methodology chapter. A box is generated for each season of the period of record, even if less than 9 observations were recorded in the season. On the x-axis, the seasons are labeled 1 through the number of seasons defined for the park through hydrograph separation. The actual calendar dates that correspond to these numerically labeled seasons exist in the Overview section and the Seasonal Analysis tables in the Water Quality Results chapter. The axis labeling and plot titling are the same as for the time series and annual box-and-whiskers plots. Digital, reproducible copies of these graphics accompany the report on disk (See Appendices A and B).

For seasonal box-and-whiskers plots of pH, $\mu\text{eq/l H}^+$ are plotted. For seasonal box-and-whiskers plots of bacteriological data, the log of the measured value is plotted. Hence, the y-axis of a seasonal box-and-whiskers plot for bacteriological parameters is log-linear.

EPA Water Quality Criteria Analysis for Entire Park Study Area

This table essentially summarizes all the individual station-by-station EPA water quality criteria analyses in the study area. (Refer to the EPA Water Quality Criteria Analysis for Station section above for more detailed information on the treatment of special cases in the EPA Water Quality Criteria Analysis for Entire Park Study Area.) This table presents a comparison between the study area's STORET water quality data and applicable national water quality criteria for freshwater and marine aquatic organisms; drinking water; and other concerns. Comparison against applicable State water quality criteria was not feasible given project resources. Appendix F provides the relevant national EPA water quality criteria values. The EPA Water Quality Criteria Analysis for the Entire Park Study Area lists the parameter; the standard type and value; the total number of observations for the parameter at this station; the number of observations that exceeded the standard value; and the proportion of observations that exceeded the standard value. Water quality observations are considered as having exceeded a criterion regardless of whether the criterion represents a maximum acceptable value or a minimum acceptable value. The table also breaks down the water quality criteria analysis on a seasonal basis to allow the reader to discern whether parameter observations tend to exceed criteria during only certain seasons or year round. Although the EPA Water Quality Criteria Analysis for the Entire Park Study Area is a good starting point for assessing potential water quality problems at the park, the reader is strongly encouraged to read the caveat section in the Introduction before drawing conclusions about water quality problems from this table. A digital, reproducible copy of this table accompanies the report on disk (See Appendices A and B).

NPS Servicewide Inventory and Monitoring Program Level I Water Quality Inventory Data Evaluation and Analysis (IDEA)

One of the objectives of this Baseline Water Quality Data Inventory and Analysis project is to perform an IDEA - an Inventory Data Evaluation and Analysis - to determine the presence and/or absence of Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in the park's study area. The Strategic Plan for Conducting Baseline Natural Resource Inventories in the National Park Service (National Park Service 1993) identified the basic water quality parameters displayed in Table I as the parameters that all parks must have for "key" waterbodies (determined on the basis of size, uniqueness, threats, etc.) within park boundaries. Since these parameters can be measured in different ways and with different units, there are multiple STORET codes associated with each parameter; hence the concept of parameter groups. The Strategic Plan distinguishes between those parameter groups required for all parks and parameter groups required only on a case-by-case basis.

The IDEA basically compares the parameters listed in the Parameter Period of Record Tabulation and Station/Parameter Period of Record Tabulation with the "Level I" Servicewide Inventory and Monitoring water quality parameter groups, listed in Table I and in Appendix G, and notes, not only the presence or absence of each parameter group, but the total number of observations for each parameter present in the group; the number of

observations between certain time periods; and the total number of stations within the study area at which the parameter was measured. The total number of different (unique) stations measuring parameters for the group is in parentheses on each parameter group's summary line.

The first page of the IDEA lists the missing Servicewide Inventory and Monitoring Program "Level I" groups. If a parameter group appears on this list, no data for any of the parameters defining the group (See Appendix G) was retrieved for it within the study area. So-called non-priority parameter groups may appear in the missing list. Non-priority parameters are park-specific parameters (case-by-case) which may not be applicable to your park. Consequently, if you believe a particular parameter, not included in IDEA (See Appendix G), to be important for your park, you will have to consult the Parameter and Station/Parameter Period of Record Tabulations to determine the presence or absence of this parameter for the park. Although considered a "Level I" parameter, biological data, obtained through rapid bioassessment or other means, is not considered in this report which deals specifically with surface water chemistry. Following the Missing Level I Group list is the Present Level I Group list which displays the summary results for each Servicewide Inventory and Monitoring "Level I" water quality parameter group that was found.

Table I. Basic "Level I" Water Quality Parameters Identified as Required and Optional By the Servicewide Inventory and Monitoring Program for "Key" Park Waterbodies

<u>Required Parameter Groups:</u> (1) Alkalinity (2) pH (3) Conductivity (4) Dissolved Oxygen (5) Rapid Bioassessment Baseline (EPA/State protocols, involving fish and macroinvertebrates) (6) Temperature (7) Flow
<u>Case-By-Case Parameters Groups:</u> (8) Toxic Elements (9) Clarity/Turbidity (10) Nitrate/Nitrogen (11) Phosphate/Phosphorus (12) Chlorophyll (13) Sulfates (14) Bacteria

The last page of the IDEA summarizes the information from the Missing and Present Level I Group lists. This page provides information on the temporal and spatial distributions of the data. Included in this table are the total number of observations for each parameter group; the number of observations since January 1, 1985; the percent of the total observations since January 1, 1985; the number of stations measuring each parameter group; the percent of the total number of stations with data measuring the parameter group; the number of observations per station with data; the period-of-record for this parameter group; and the average number of observations per year of the period-of-record.

In interpreting the results of the IDEA, the reader should first consult the Missing Level I Group list. For the parameter groups listed, there was no baseline water quality data within the study area entered in STORET. Consequently, these parameter groups could be a higher priority for data collection. It is important, however, to realize that data within these parameter groups may have been already collected but not entered into STORET. The resources for this project did not enable us to pursue thorough literature and file cabinet reviews to dredge up

every last iota of data. If data exists for certain Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups in a park's file cabinet, it is the park's responsibility to factor that data into their IDEA. Consequently, the listing of a parameter group on the Missing "Level I" Group list is not a WRD endorsement to launch a study to collect these data. The IDEA is intended to simply note that no data exist for these parameter groups in STORET for the park. It is the park's responsibility to ascertain whether such data has already been collected by the park or other entities before embarking on a new study. In fact, in the future the WRD will require that any park study plan proposing to collect baseline water quality data show that they have consulted their Baseline Water Quality Data Inventory and Analysis report and searched in other locations (file cabinets, published literature, etc.) for the data they propose to collect. A similar interpretation springs from the Present "Level I" Group list. Insufficient data density in certain time periods for particular parameter groups is not necessarily cause for launching a new inventory and/or monitoring program. The park should still consult with other potential sources of data. Again, the IDEA is designed to provide only a quick check on data in STORET for the Servicewide Inventory and Monitoring Program "Level I" water quality parameter groups.

Water Quality Observations Outside STORET Edit Criteria for Park

STORET data entered after November 1983 were subjected to rudimentary edit/bounds checking for 190 common parameters (See the STORET Edit Criteria in Appendix C). None of the data entered into STORET prior to that time has been subjected to edit/bounds checking. Moreover, to maintain exact comparability with USGS WATSTORE data, WATSTORE data entered into STORET has never been subjected to the EPA edit/bounds checking. During the pilot test phase of this project, obviously incorrect data was identified from both USGS and other agency data in STORET. As a consequence, all data downloaded from STORET was filtered through the STORET edit criteria to identify parameter observation values that fall outside any edit criterion ranges. This section documents the station name, parameter, date, time, parameter value, agency, and STORET station name of every observation that fell outside the range of an edit criterion. Not all data falling outside an edit criterion are necessarily incorrect. Such data may represent unique or special conditions. Consequently, every observation falling outside a STORET edit criterion was scrutinized to determine, in our best professional judgement, whether the value was in the realm of possibility or obviously incorrect. Water quality observations that appeared to be obviously incorrect are marked with an "X" in the Disposition column of this table. These values were not retrieved or included in any of the inventory tables or graphs. Water quality values outside a STORET edit criterion but within the realm of possibility were retained and included in inventory tables and graphs. The Water Quality Observations Outside STORET Edit Criteria for Park table documents all values that were outside an edit criterion range. This documentation is also necessitated by the fact that agencies can override the STORET edit criteria for individual observations. Although the edit criteria eliminate some potentially "bad" data from the report, the probability of other incorrect data, for both the 190 parameters that are edit/bound checked and all the other STORET parameters that aren't error checked, is high. Readers should consult the Caveat section in the Introduction for guidelines on the use and interpretation of STORET data. The responsibility for correcting these observations rests with the collecting agency.

WATER QUALITY RESULTS

OVERVIEW FOR FRSP

Study Area Boundary Description

The study area includes the park and all areas within at least 3 miles upstream of the park unit boundary and at least 1 mile downstream.

	<u>Study Area</u>	<u>Park</u>
GIS Estimated Acreage:	286233	8686
# STORET Stations:	112	14
# Stations With No Data:	24	1
# Stations With No Stat. Analysis:	0	0
# Longer Term Stations:	40	3
Date of STORET Retrieval:	07/22/99	07/22/99
Period of Record:	10/04/67-12/17/98	05/22/91-04/25/96
# Parameters Measured:	401	66
# Water Quality Observations:	87780	1570
# Industrial/Municipal Facilities:	17	0
# Drinking Water Intakes:	10	0
# Water Gages:	6	0
# Water Impoundments:	19	1
# Total Plots:	142	0
# Time Series:	55	0
# Annual:	42	0
# Seasonal:	45	0

Hydrologic Definition of Seasons:

1. July 1 - October 14
2. October 15 - March 31
3. April 1 - June 30

Time Series Plot Criteria:

To be included in the time series plots, a station/parameter combination must have at least 22 years and at least 136 observations.

Annual Analysis Criteria:

To be included in the annual box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of at least 12 years.

To be included in the annual analysis tables, a station/parameter combination must have at least 9 observations in each of at least 4 years.

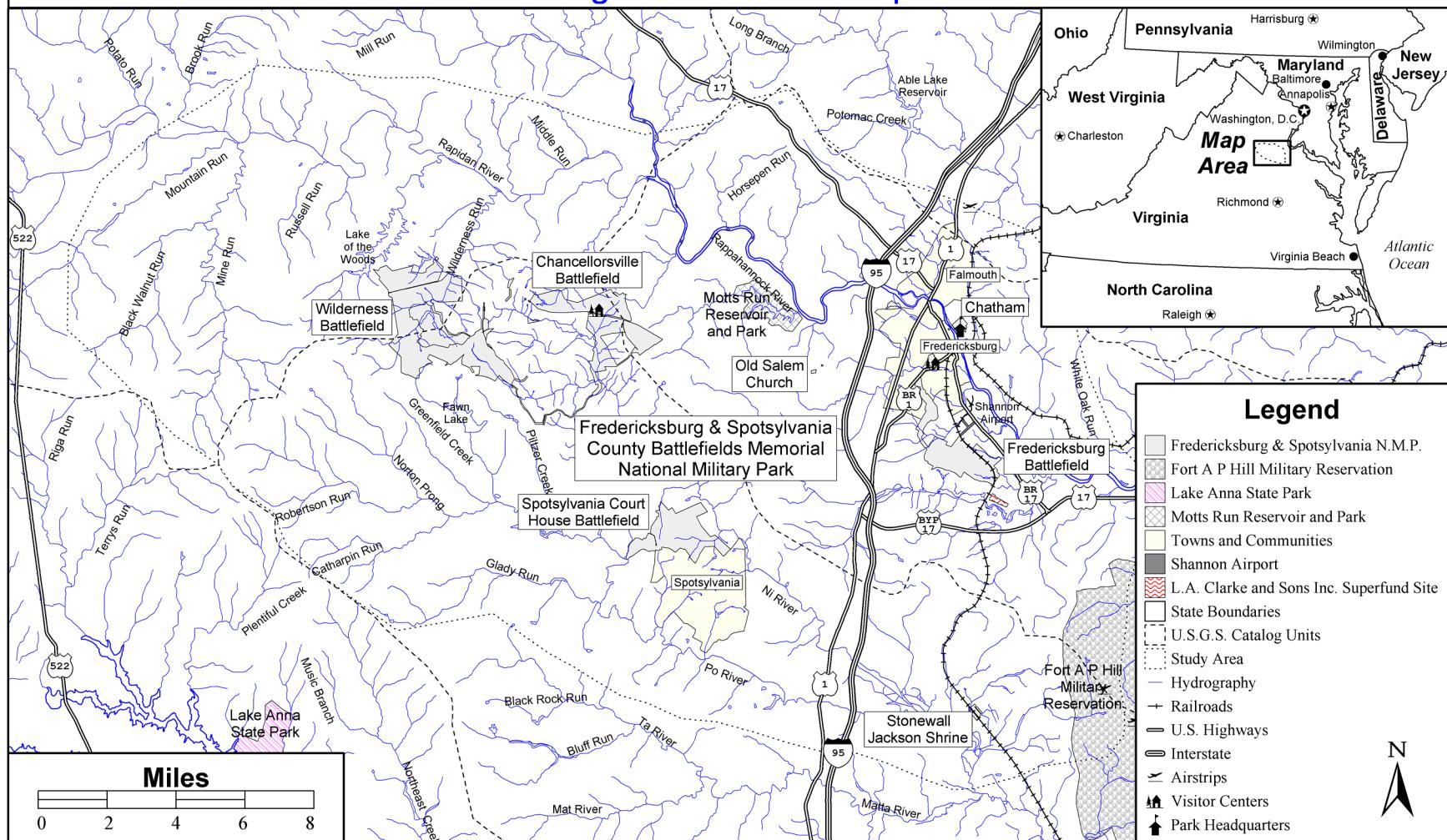
Seasonal Analysis Criteria:

To be included in the seasonal box-and-whisker plots, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 25 years and observations in at least 4 of the 25 years.

To be included in the seasonal analysis tables, a station/parameter combination must have at least 9 observations in each of 2 seasons and a period of record of at least 6 years and observations in at least 3 of the 6 years.

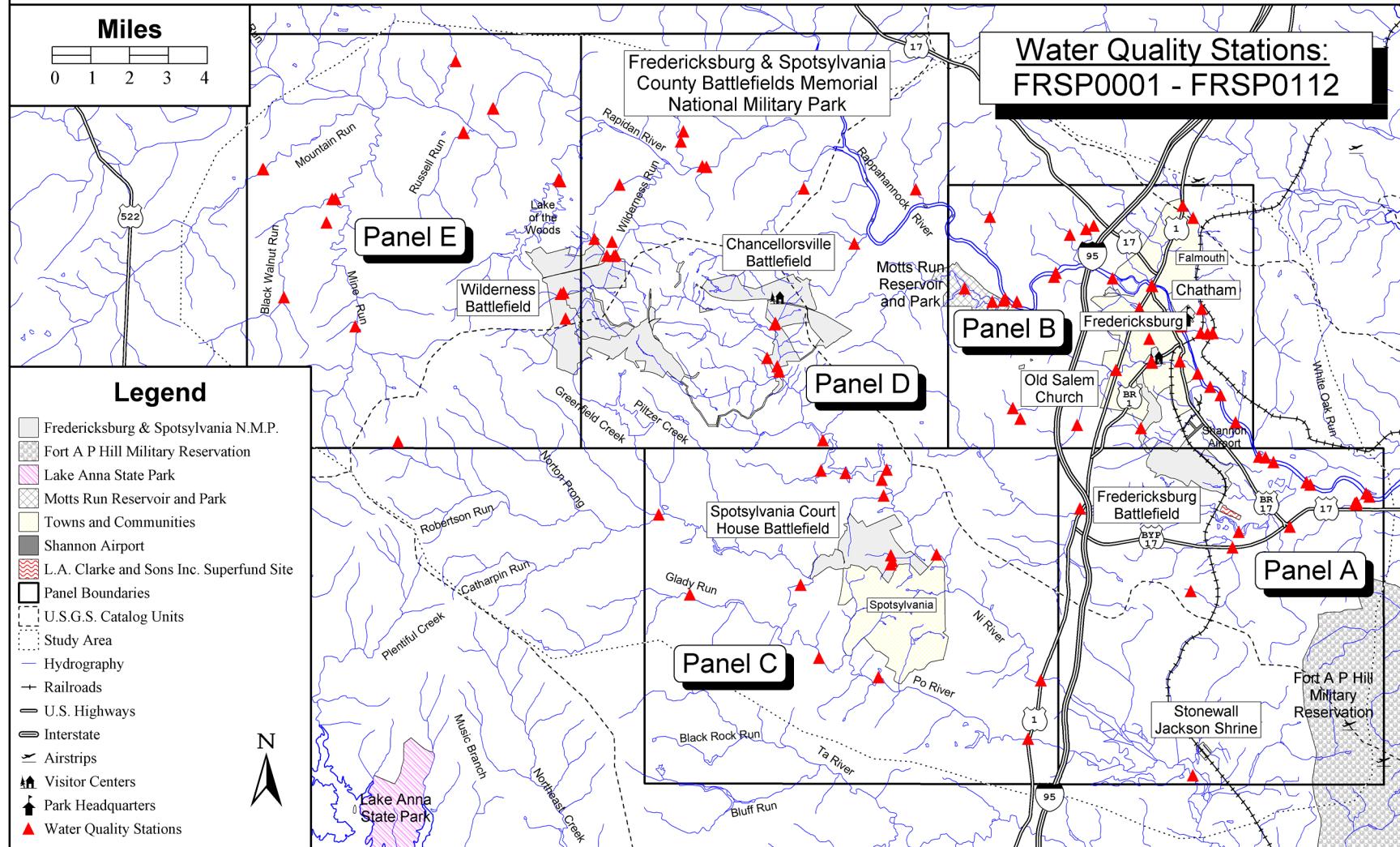
Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park

Regional Location Map



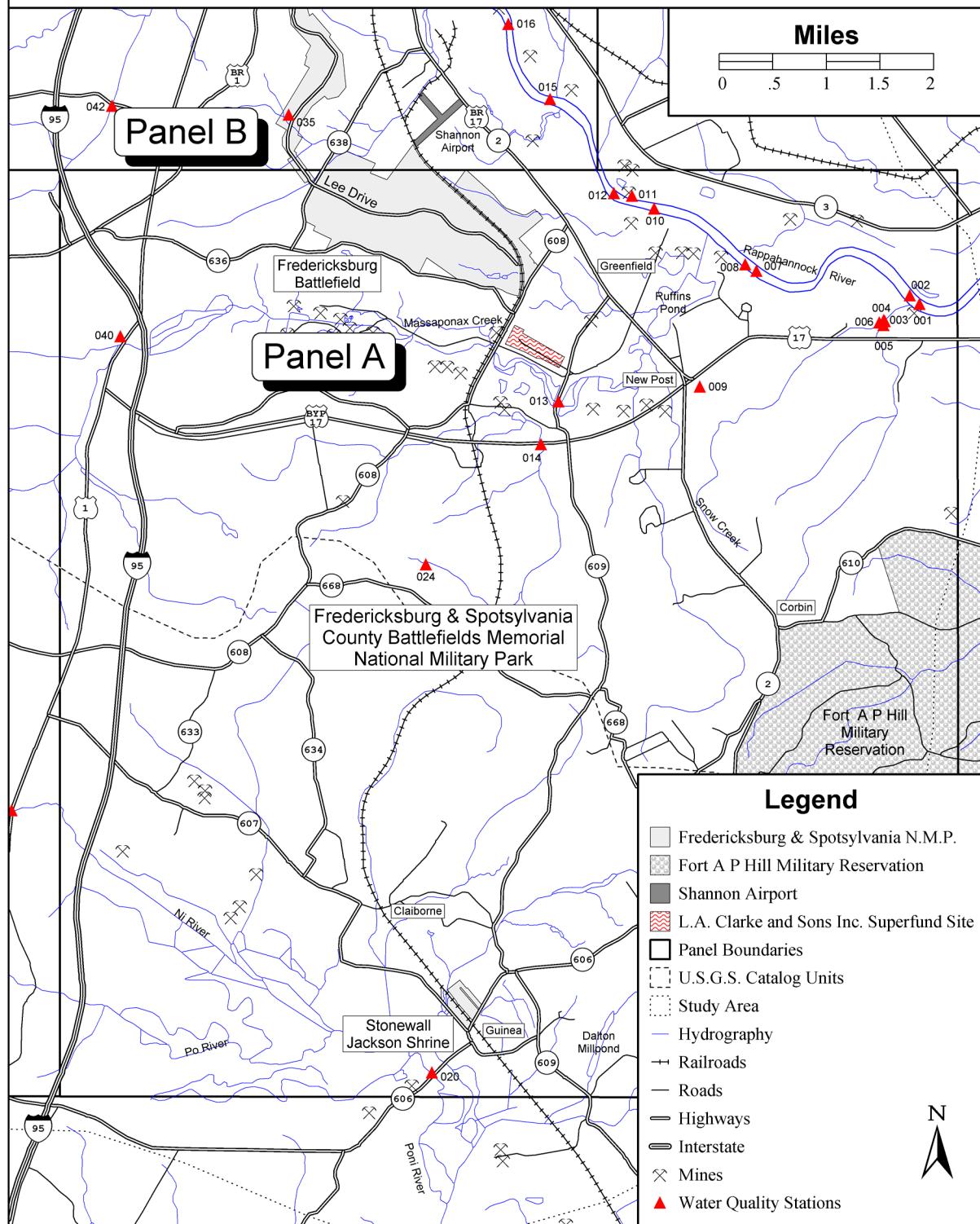
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Water Quality Monitoring Locations - Graphic Panel Index



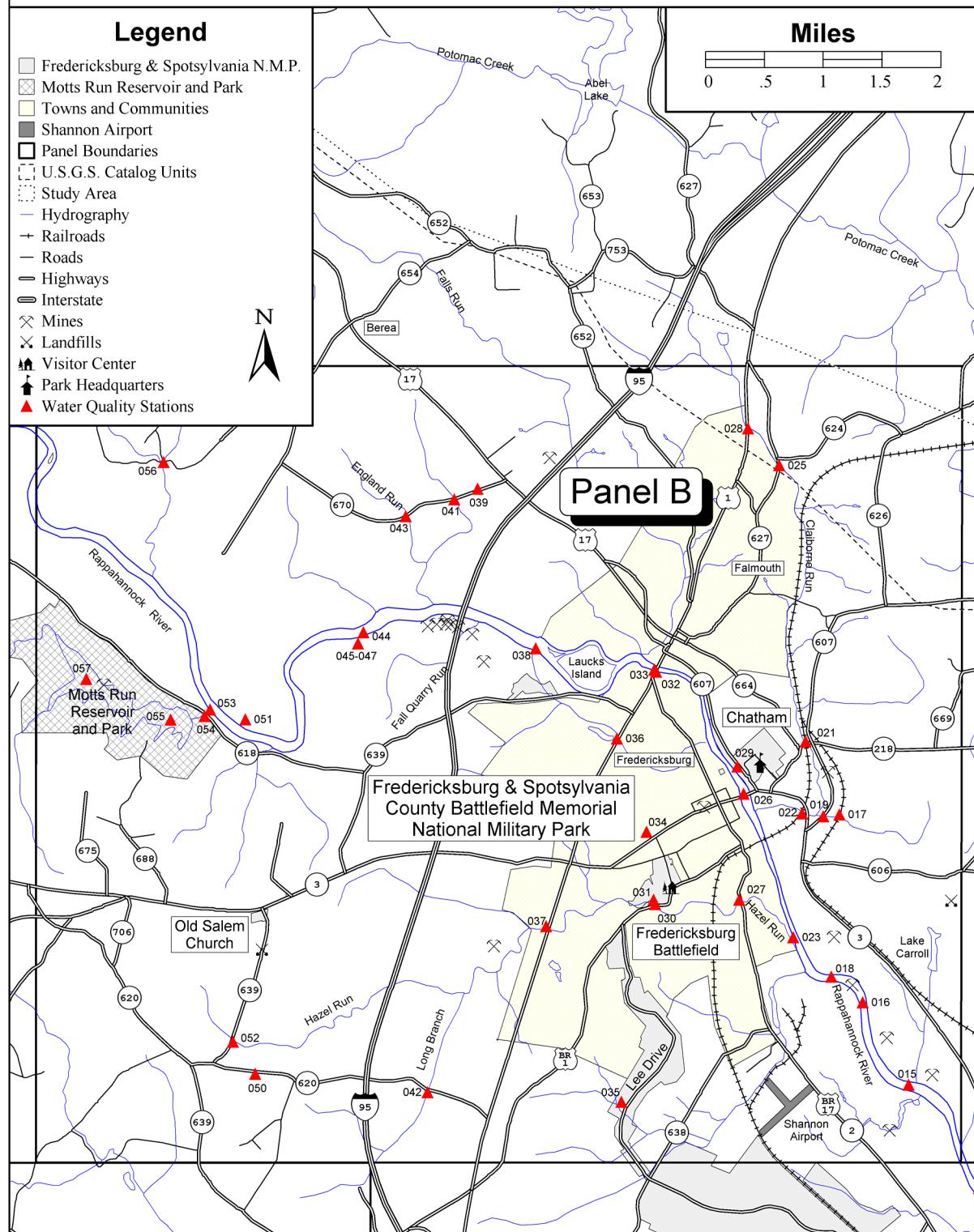
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Water Quality Monitoring Locations



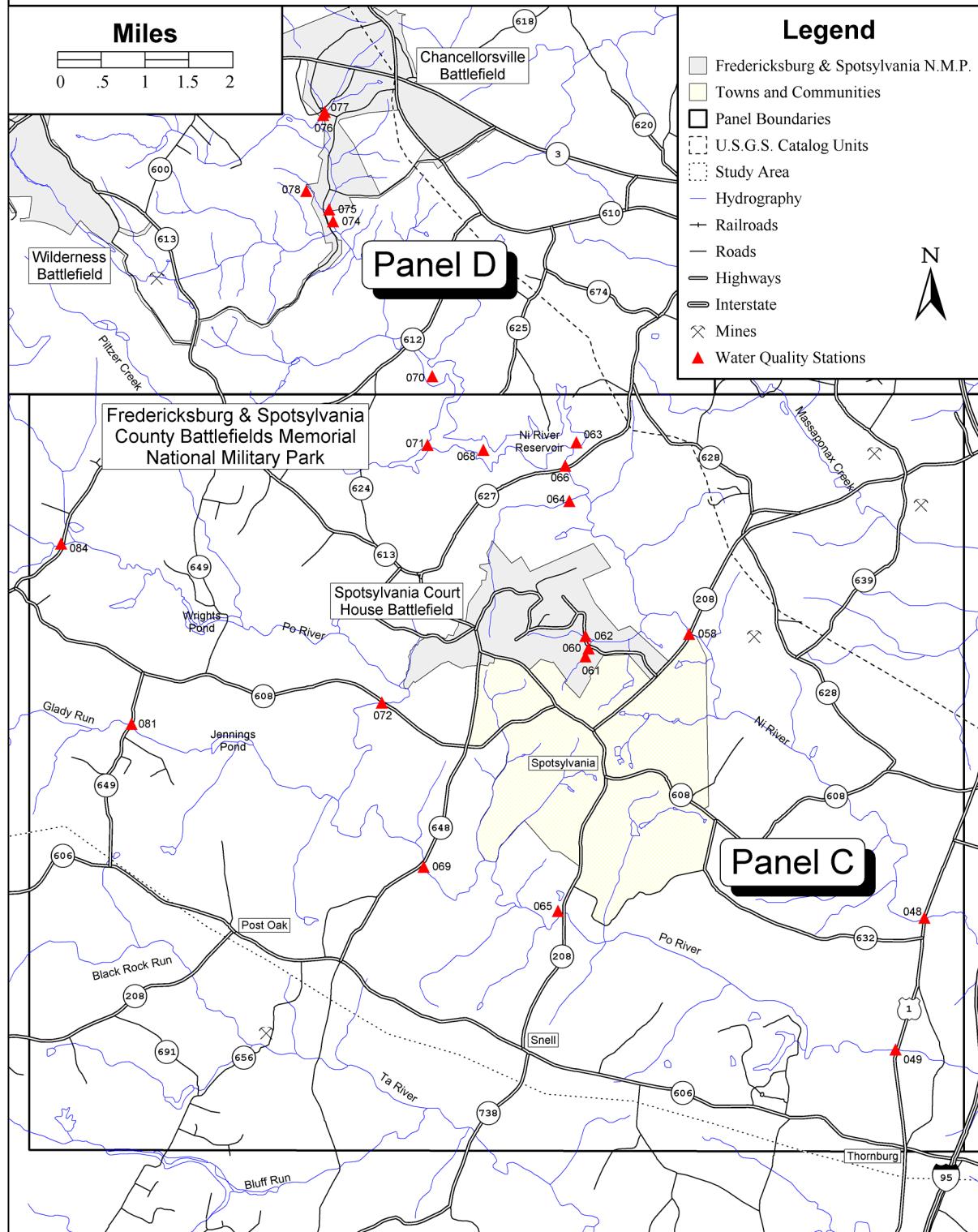
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Water Quality Monitoring Locations



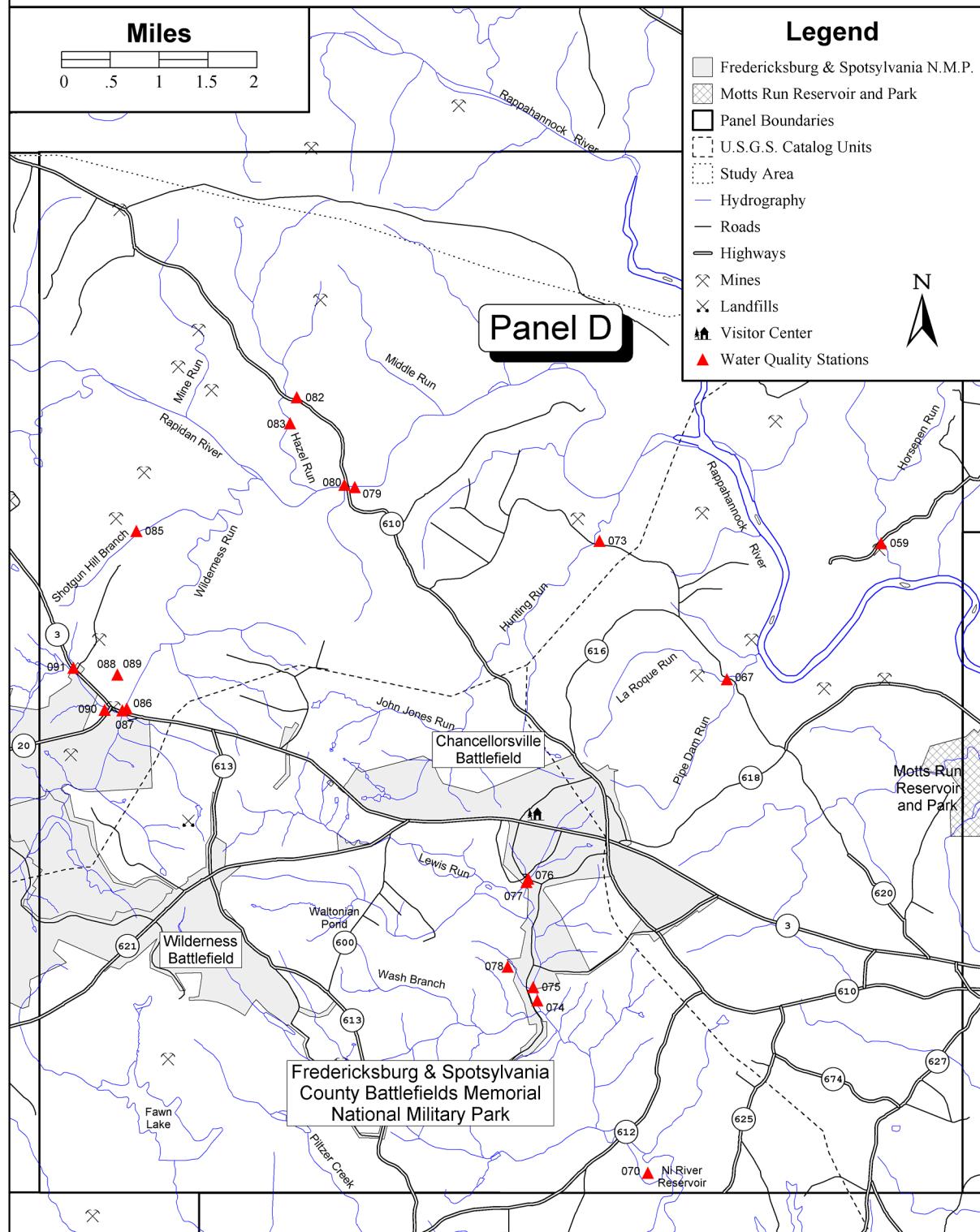
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Water Quality Monitoring Locations



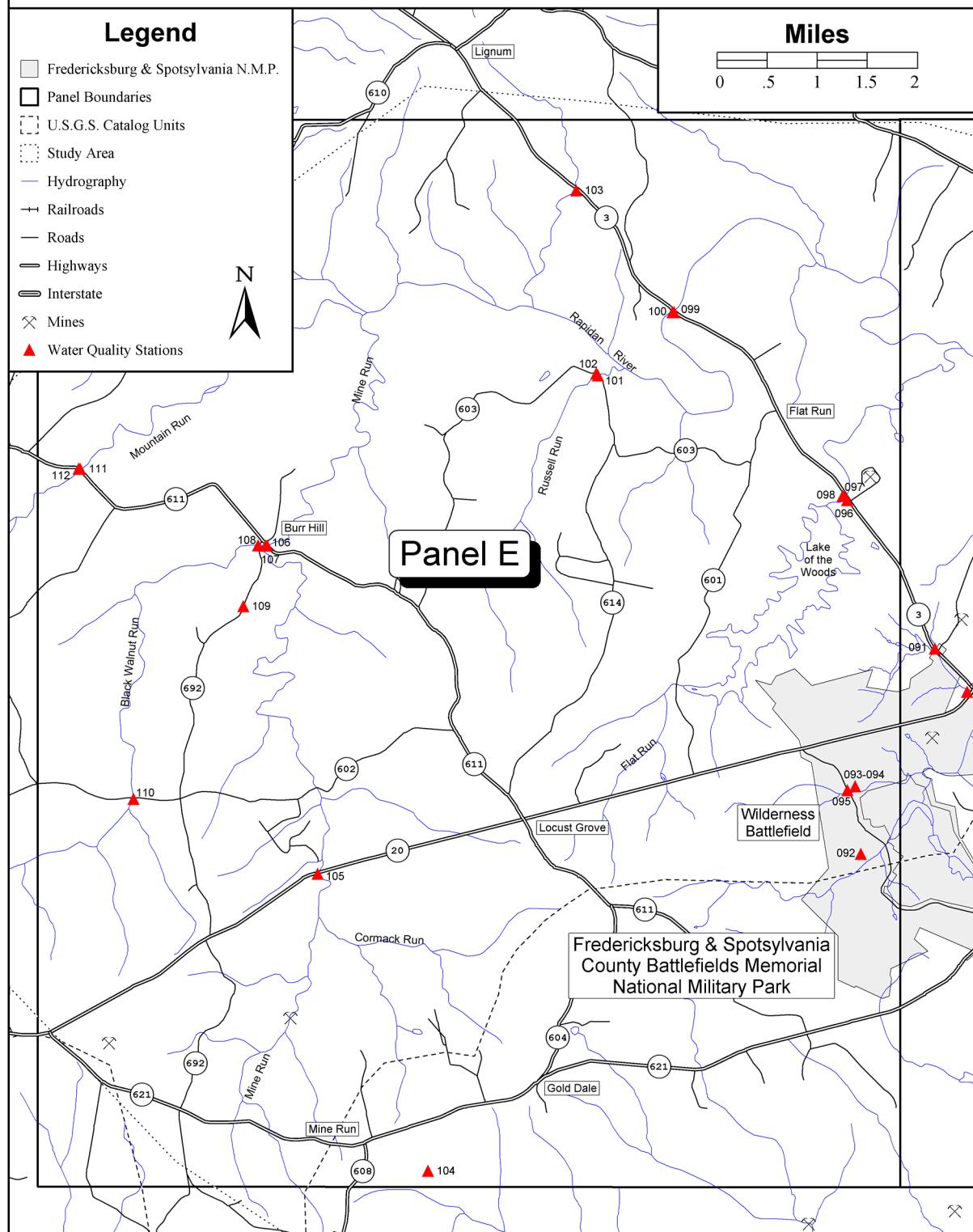
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Water Quality Monitoring Locations



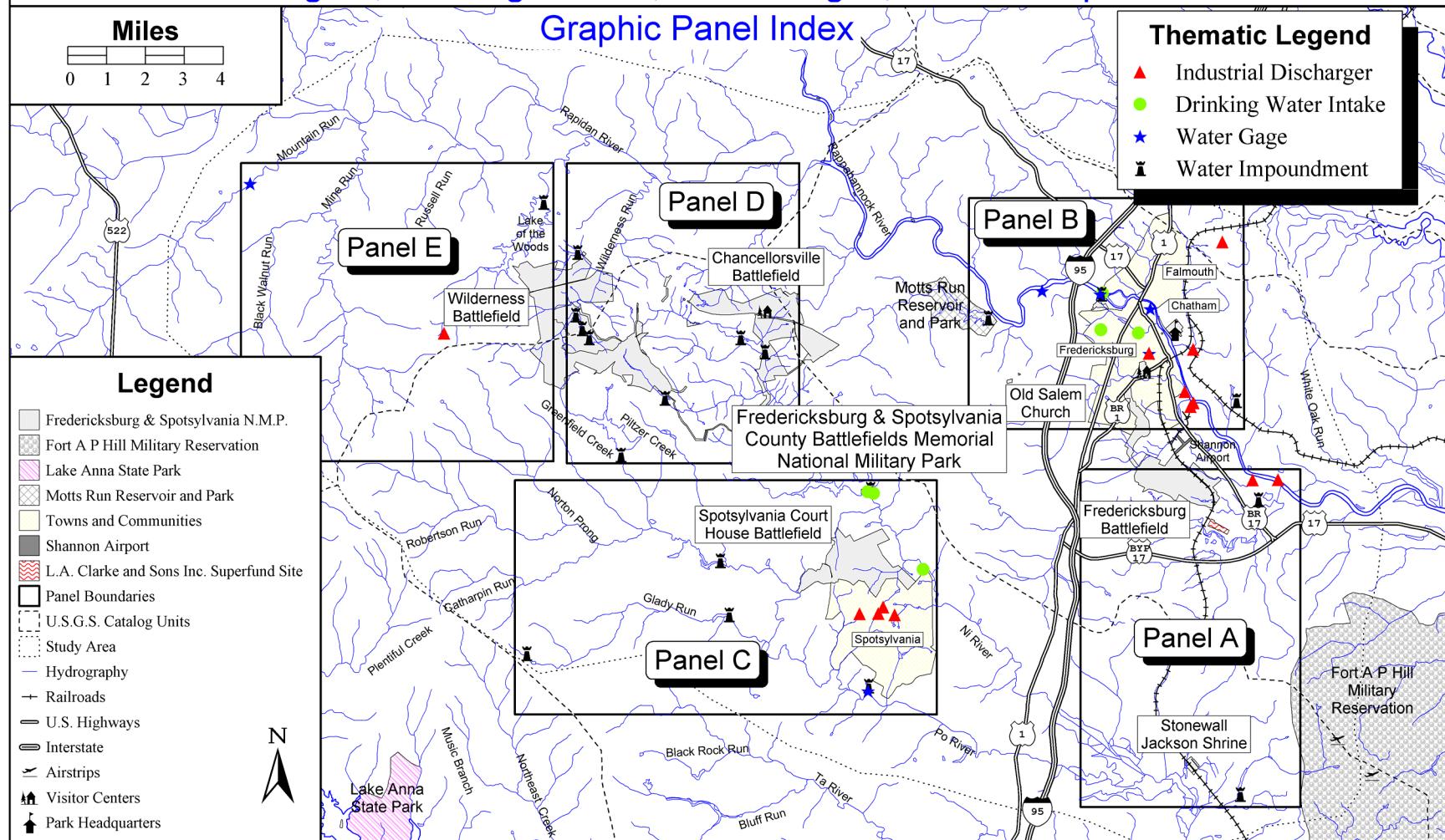
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Water Quality Monitoring Locations



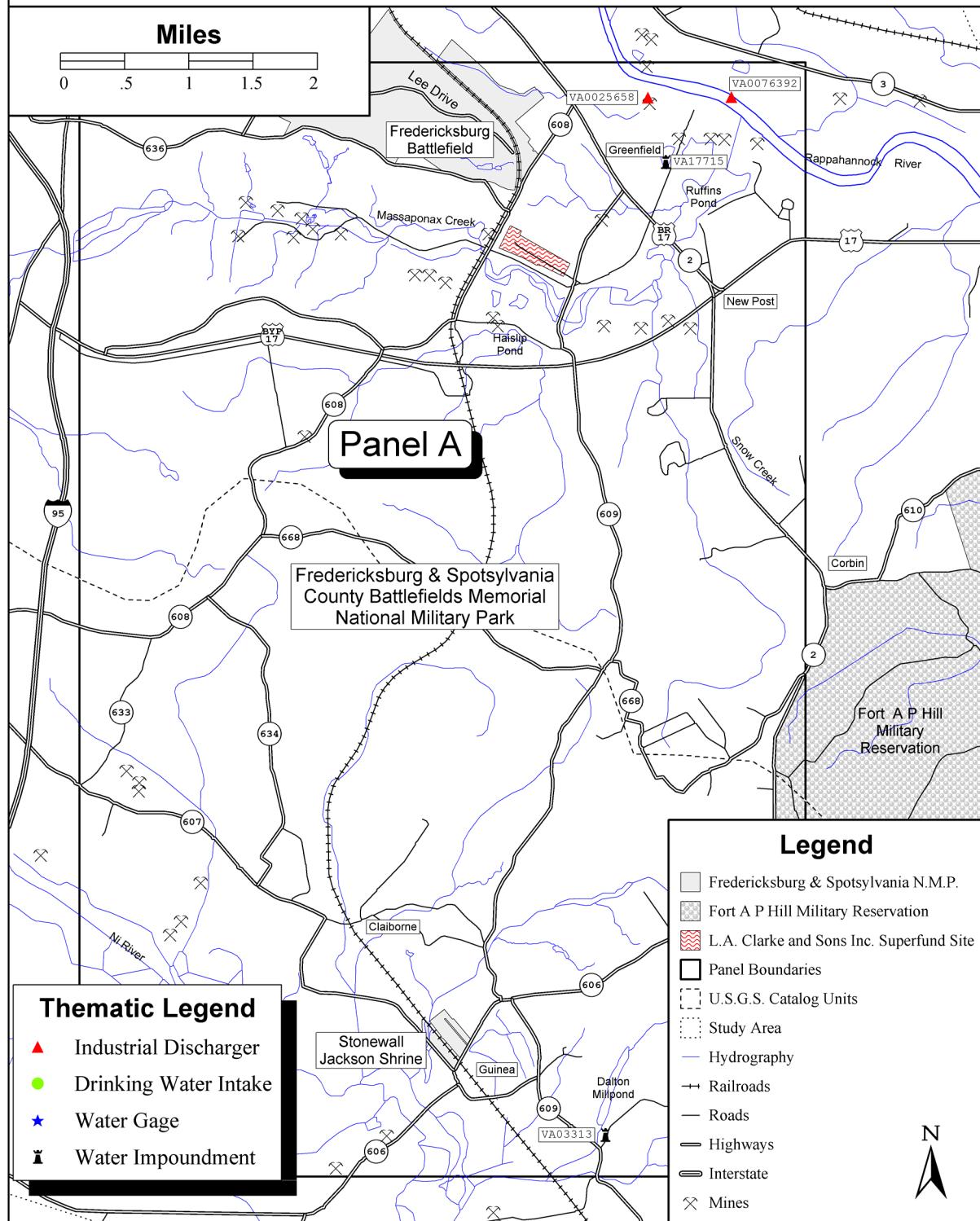
Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



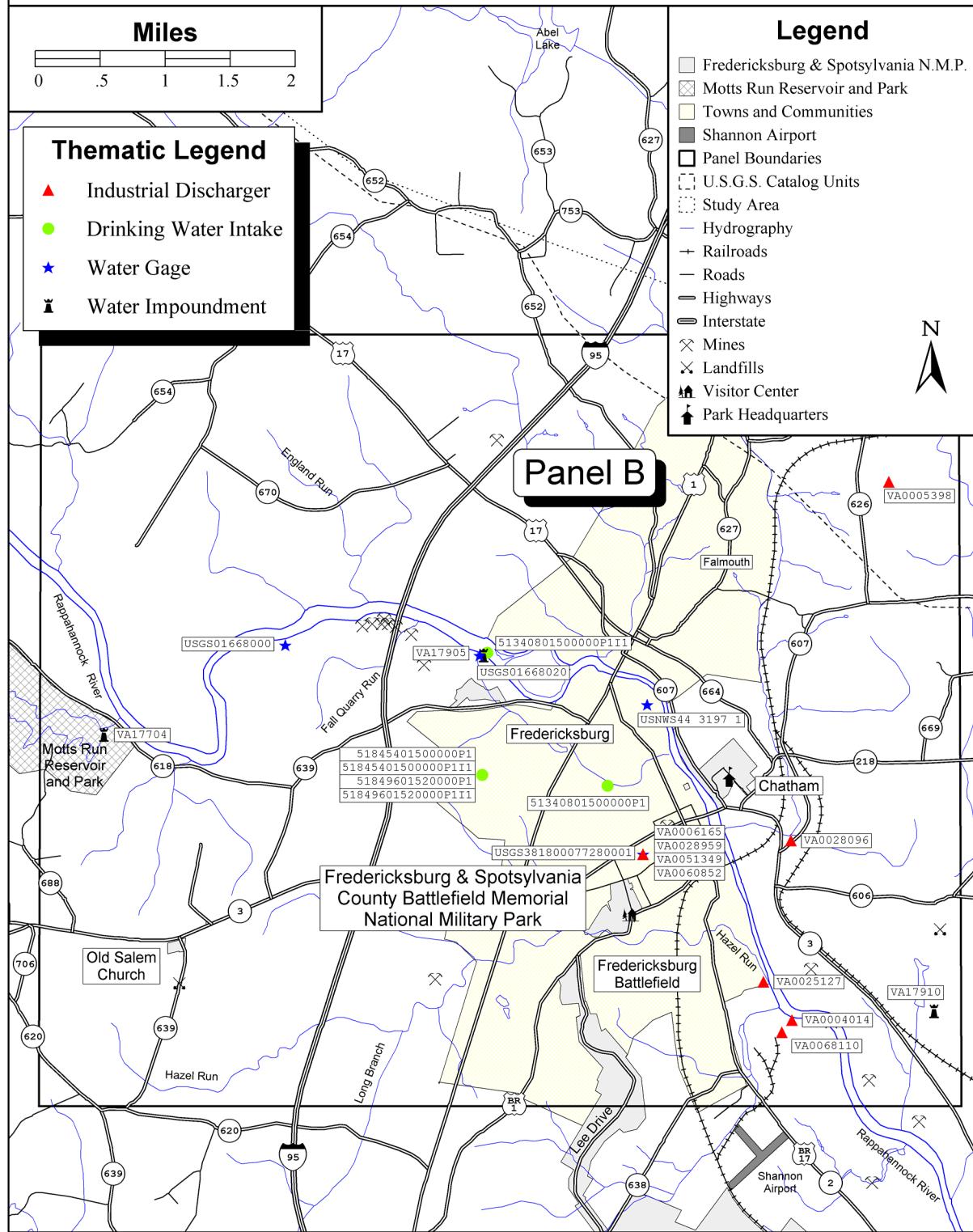
Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



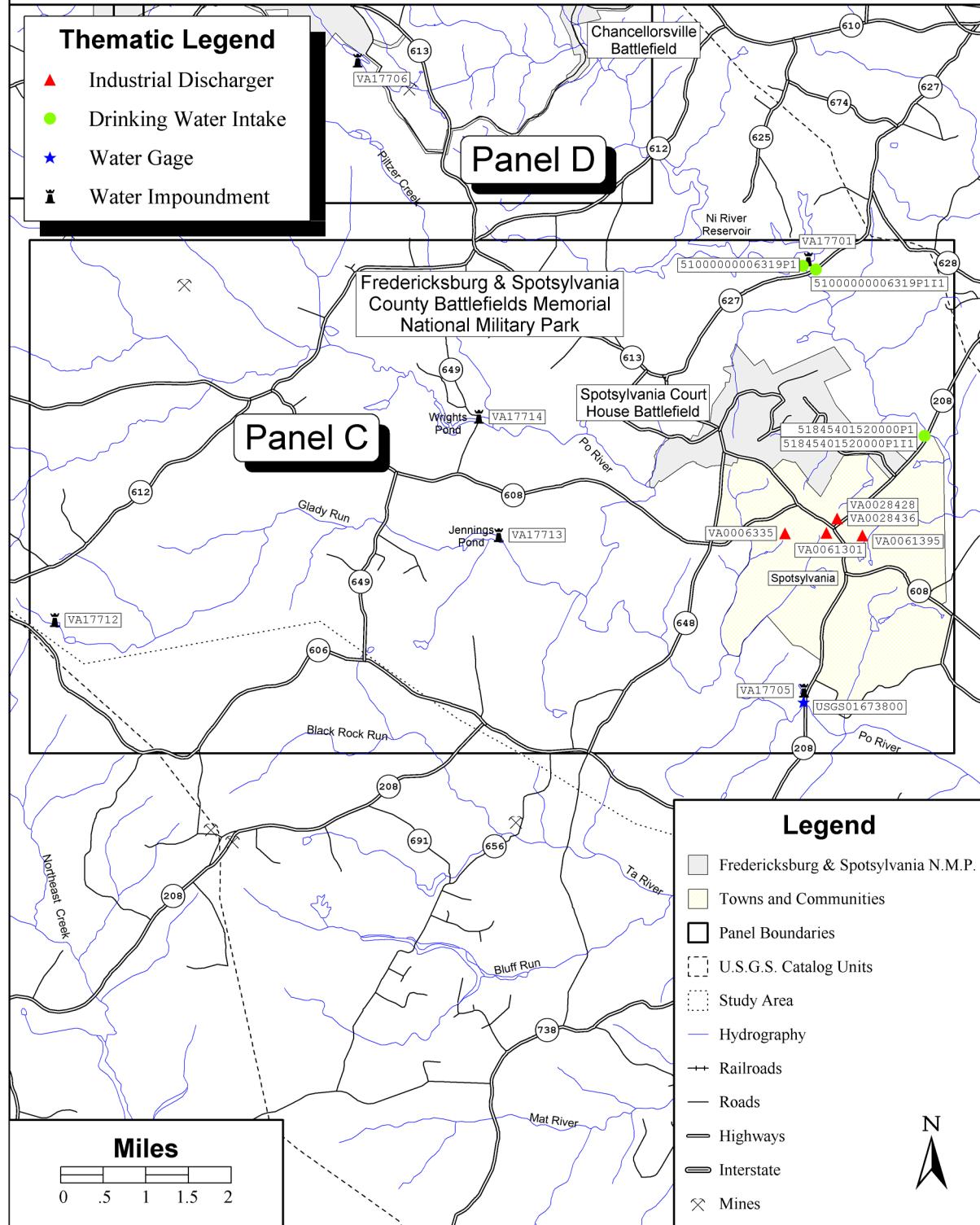
Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



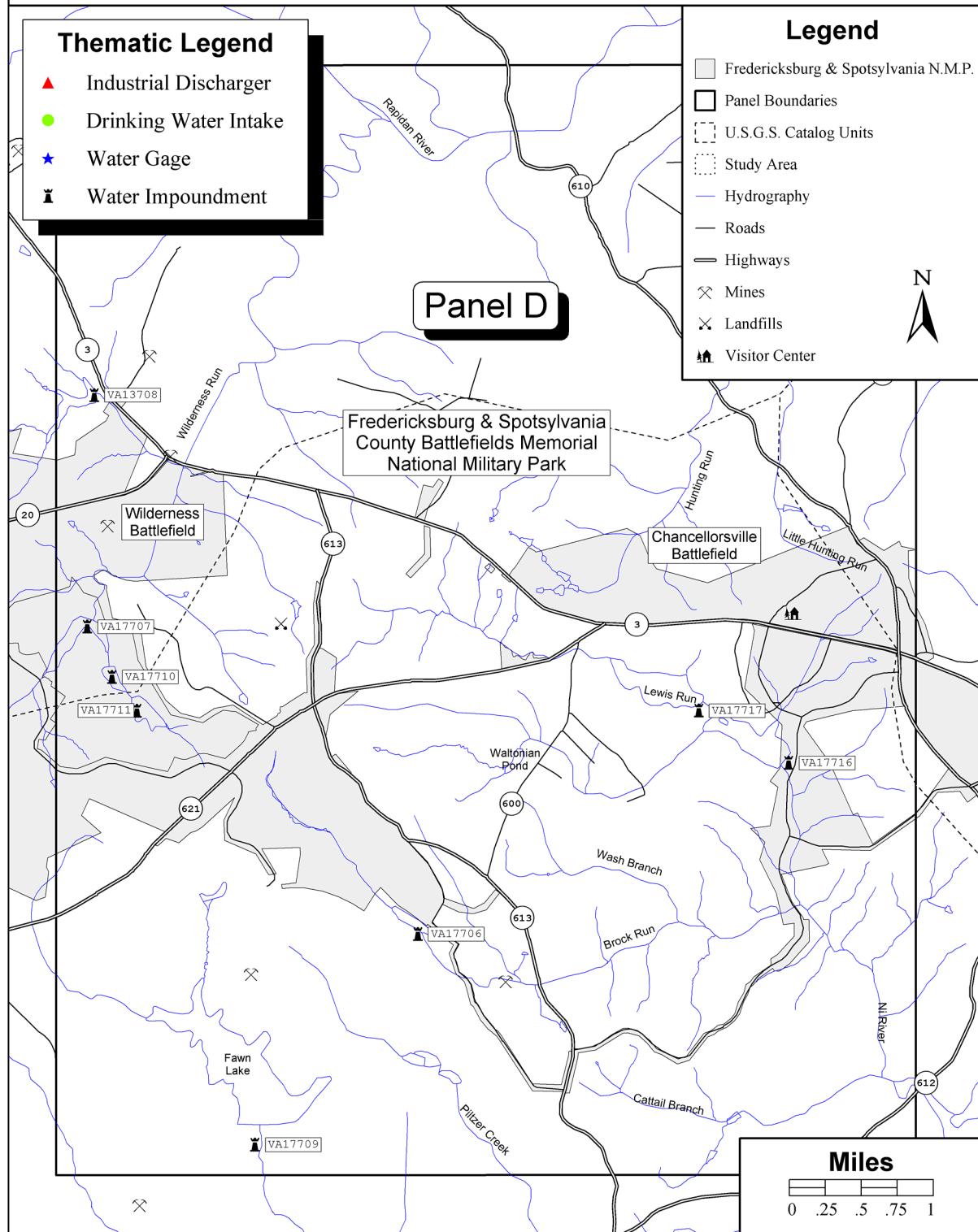
Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



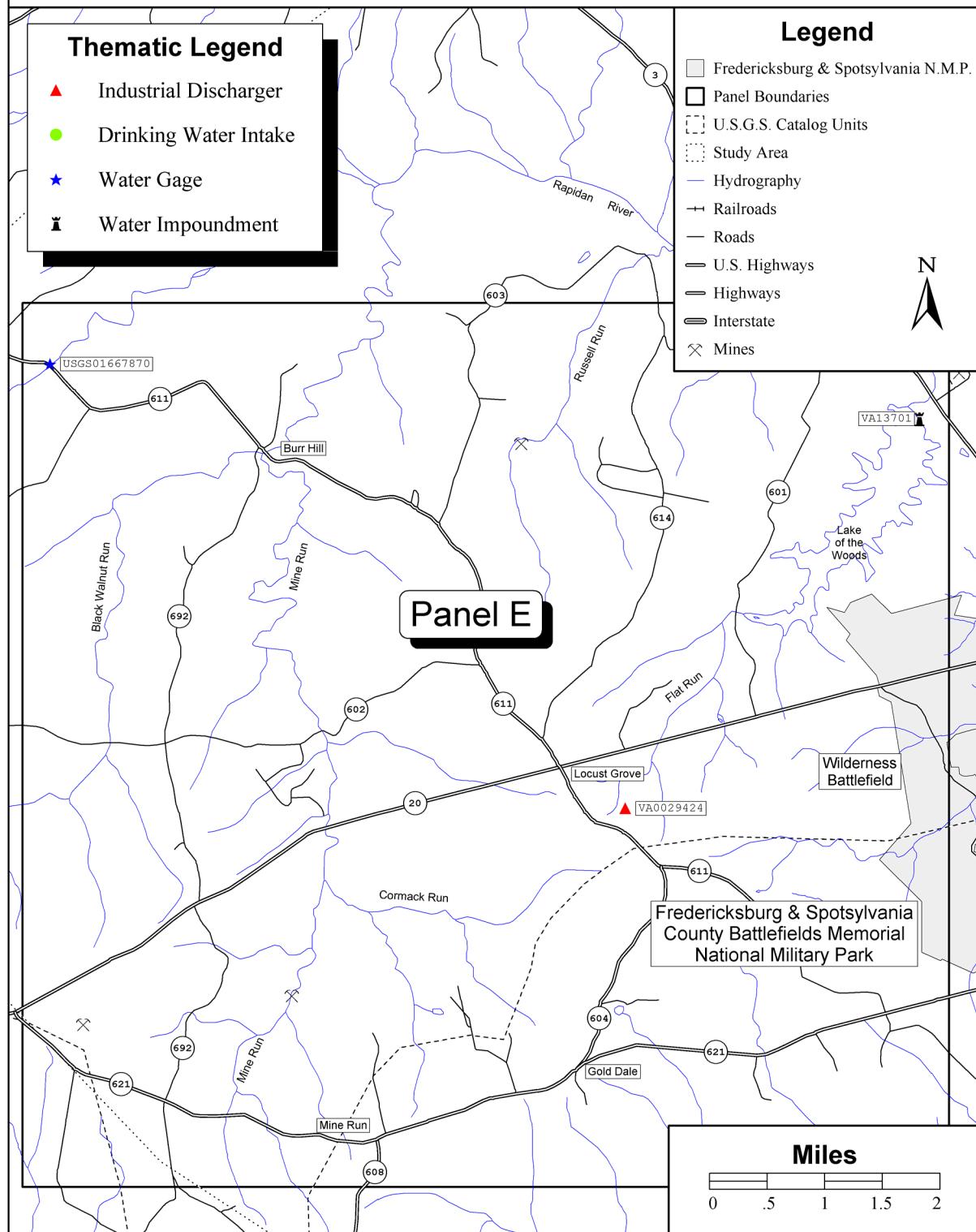
Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



Fredericksburg & Spotsylvania County Battlefields Memorial National Military Park

Dischargers, Drinking Intakes, Water Gages, & Water Impoundments



**Industrial Facility Discharges, Drinking Water Intakes,
Water Gages, and Water Impoundments Within the FRSP Study Area**

Industrial Facility Discharges

<u>Site ID</u>	<u>Station/Facility Name</u>	<u>Address</u>	<u>City</u>	<u>Facility Receiving Water Name</u>
VA0004014	FMC CORP FREDERICKSBURG	1617 JOHN F KENNEDY BLVD	FREDERICKSBURG	RAPPAHANNOCK R
VA0005398	L. A.CLARKE & SON, INC	P O BOX 217	FREDERICKSBURG	MASSAPONAX CK
VA0006165	FREDERICKSBURG WATER FILTRATIO	606 CAROLINE ST	FREDERICKSBURG	RAPPAHANNOCK R
VA0006335	NI RIVER WATER TRTMT PLT	600 HUDGINS RD	FREDERICKSBURG	NI RIVER
VA0025127	FREDERICKSBURG CITY STP	RT 700	FREDERICKSBURG	RAPPAHANNOCK R
VA0025658	SPOTSYLVANIA COUNTY MESSAPONOX	RT 2 & RT 17	FREDERICKSBURG	RAPPAHANNOCK R
VA0028096	CLAIBORNE RUN SEWAGE TREATMENT	.....	.....	.....
VA0028428	ALDRICH SEWAGE LAGOON COUNTY S	.....	SPOTSYLVANIA	NI R
VA0028436	WISHNER SEWAGE LAGOON COUNTY S	.....	SPOTSYLVANIA	NI R
VA0028959	GRANINGER SEWERAGE SERVICE CO.	PAYTON DR	FREDERICKSBURG	CLAIBORNE RN
VA0029424	LAKE OF THE WOODS SERVICE CO	.....	LOCUSTGROVE	FLAT RN C
VA0051349	OAKLAND PARK SUBDIVISION	.....	FREDERICKSBURG	MUDGY C
VA0060852	PELLA INVESTMENT CO.	5035 PLANK RD	SPOTSYLVANIA	MINE RN
VA0061301	BERKELEY ELEMENTARY SCH			
VA0061395	LAKE WILDERNESS DISPOSAL PLANT	.....	SPOTSYLVANIA	WILDERNESS RN
VA0068110	FMC WASTEWATER TREATMENT PLANT	600 HUDGINS ROAD/ATTN: LA	FREDERICKSBURG	RAPPAHANNOCK RIVER
VA0076392	LITTLE FALLS RUN STP			

Drinking Water Intakes

<u>Site ID</u>	<u>Station/Facility Name</u>	<u>City</u>	<u>Population Served</u>	Avg. Daily Production (Gal./Day)
51000000006319P1	TREATMENT PLANT	FREDRICKBURG	10300	0000.00
51000000006319P1I1	NI RIVER WTP	FREDRICKBURG	10300	0000.00
5134080150000P1	TREATMENT PLANT	FRDRICKSBRG	17210	0000.00
5134080150000P1I1	RAPPAHANNOCK RI	FRDRICKSBRG	17210	0000.00
5184540150000P1	CITY OF FREDERICK	SPOTSYLVANIA	2940	6000.00
5184540150000P1I1	RAPPAHANNOCK RIV	SPOTSYLVANIA	2940	6000.00
5184540152000P1	TREATMENT PLANT	FREDERICKSBUR	296	5670.00
5184540152000P1I1	NI RIVER WATER	FREDERICKSBUR	296	5670.00
5184960152000P1	TREATMENT PLANT	STAFFORD	2139	9500.00
5184960152000P1I1	CITY OF FREDERI	STAFFORD	2139	9500.00

Water Gages

<u>Site ID</u>	<u>Station Name</u>	<u>Site Type</u>	<u>Drainage Area (Square Miles)</u>	<u>Begin Year</u>	<u>End Year</u>
USGS01668000	RAPPAHANNOCK RIVER NEAR FREDERICKSBURG, VA	Stream	1596.00	1907	1998
USGS01673800	PO RIVER NEAR SPOTSYLVANIA, VA		77.40	1962	1998
USNWS44 3197 1	FREDERICKSBURG VA ON	Stream			
USGS01667870	MOUNTAIN RUN NEAR BURR HILL, VA	Stream	28.80	1989	1992
USGS01668020	RAPPAHANNOCK R AT VEPCO DAM AT FREDERICKSBURG, VA	Stream			
USGS381800077280001	FREDERICKSBURG, VA 01668200	Climate			

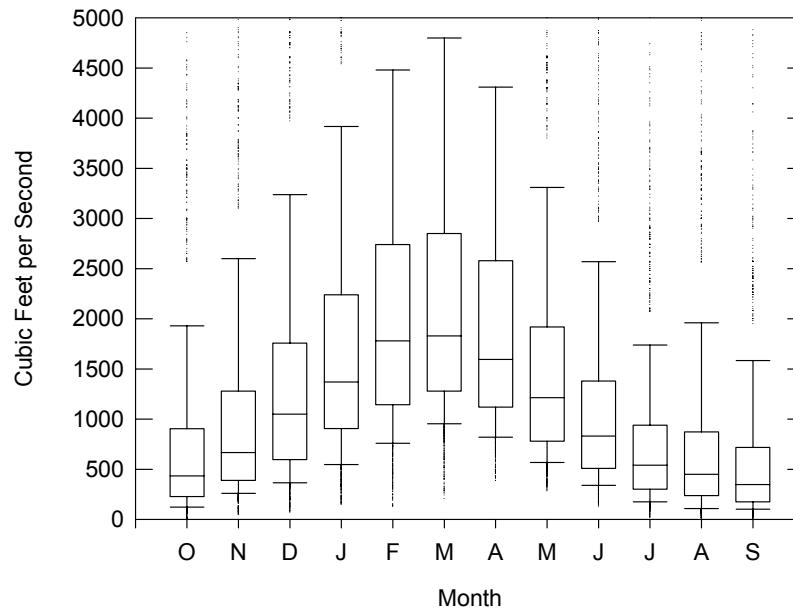
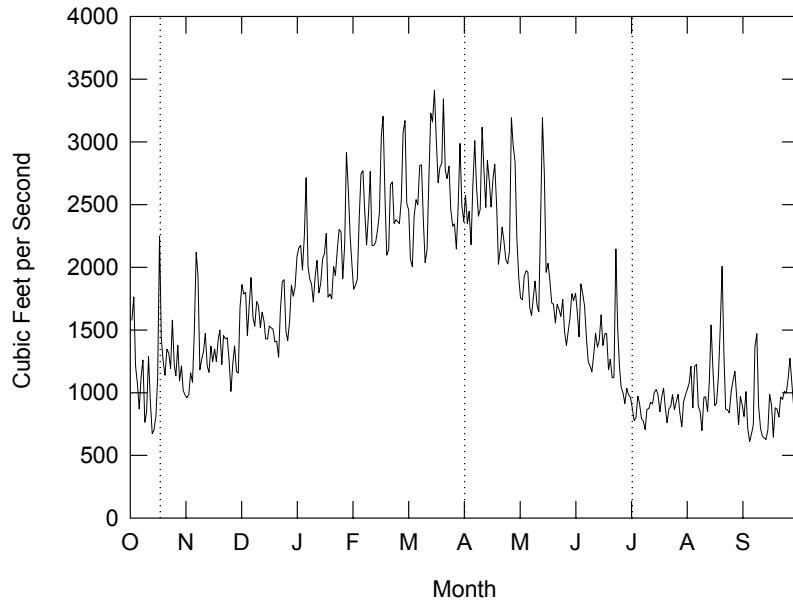
**Industrial Facility Discharges, Drinking Water Intakes,
Water Gages, and Water Impoundments Within the FRSP Study Area**

Water Impoundments

<u>Site ID</u>	<u>Impoundment Name</u>	<u>Owner</u>	<u>Primary Purpose</u>	<u>Type of Dam</u>	<u>Downstream Hazard</u>	<u>Year Completed</u>
VA03313	DALTONS DAM	WALTER PURKS	Rec.	Earth	Low	1800
VA13701	LAKE OF THE WOODS DAM	LAKE OF THE WOODS,INC.	Rec.	Earth	High	1968
VA13708	LAKE OF THE WOODS DAM # 2	LAKE OF THE WOODS ASSN	Rec.	Earth	Significant	1970
VA17701	NI RIVER DAM	SPOTSYLVANIA COUNTY	Supply	Earth	Significant	1972
VA17704	MOTT'S RUN DAM	CITY OF FREDRICKSBURG	Flood	Earth	High	1971
VA17705	GORDONS DAM	RO GORDON	Rec.	Earth	Low	1950
VA17706	ASHBYS DAM	UNKNOWN	Rec.	Earth	Significant	1950
VA17707	WILDERNESS PARK ESTATES DAM	WILDERNESS PARK ESTATES	Rec.	Earth	Significant	1969
VA17709	FAWN LAKE DAM	INTERNAT'L PAPER REALITY	Rec.	Earth	Significant	1975
VA17710	LEE LAKE DAM	WILDERNESS PARK P.O.A.	Rec.	Earth	Significant	1967
VA17711	GRANT LAKE DAM	WILDERNESS PARK P.O.A.	Rec.	Earth	Significant	1967
VA17712	RAMS LAKE DAM	CHARLES B.HAAS	Rec.	Earth	Low	1960
VA17713	JENNINGS POND DAM	JENNINGS POND ENTPS.INC.	Rec.	Earth	Low	1875
VA17714	WRIGHTS POND DAM	VALLEY PO ASSOC.INC.	Rec.	Gravity	Low	1932
VA17715	E.H.MILLS MEMORIAL DAM	MASSAPONAX SAND&GRAVEL C	Rec.	Earth	Low	1930
VA17716	COOL SPRING LAKE DAM	RECREATIONAL RESORTS,LTD	Rec.	Earth	Low	1976
VA17717	HAZEL GROVE LAKE DAM	RECREATIONAL RESORTS,LTD	Rec.	Earth	Significant	1976
VA17905	EMBRY DAM	CITY OF FREDERICKSBURG	Supply	Buttress	Significant	1925
VA17910	KENNEDY DAM	EULAH P KENNEDY	Rec.	Earth	Significant	1954

REPRESENTATIVE MEAN ANNUAL HYDROGRAPH FOR SEASONAL ANALYSIS

FREDERICKSBURG and SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL
 NATIONAL MILITARY PARK
 Rappahannock River near Fredericksburg, VA
 01668000, 78 year record



Representative mean annual hydrograph (top) and distribution of daily flows by month (bottom) for hydrologic season determination. Box and whiskers represent a five number summary; bottom whisker cap is 10th percentile, bottom of box is 25th percentile, internal line is median, top of box is 75th percentile, and top whisker is 90th percentile. Hydrologic seasons for Fredericksburg and Spotsylvania County Battlefields Memorial National Military Park are: Jul. 1 to Oct. 14, Oct. 15 to Mar. 31, and Apr. 1 to Jun. 30.

CONTACTS FOR AGENCY CODES RETRIEVED FOR FRSP

<u>AGENCY</u>	<u>PRIMARY CONTACT NAME</u>	<u>ORGANIZATION</u>	<u>PHONE NUMBER(S)</u>
21VASWCB	POLLOCK, VERA	VA DEPT OF ENVIRONMENTAL	(804)698-4566 (804)698-4473
12NSS	LANDERS, DIXON H.	EPA ENVIRONMENTAL RES LAB	(541)754-4427
11NPSWRD	TUCKER, DEAN	NATIONAL PARK SERVICE	(970)225-3516 (970)225-3518
1113RAWQ	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176
11121TWQ	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176
112WRD	BRIGGS, JOHN	US GEOLOGICAL SURVEY	(703)648-5624
11121OWQ	STORET USER ASSISTANCE	USEPA HQ	(202)260-7050 (800)424-9067
1113VABD	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176
1113PESE	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176
1113REG3	KANETSKY, CHARLES	USEPA REGION 3	(215)597-8176
CHESBAY	BOSTATER, CHARLES	MD DEPT OF NR	(301)269-3767

* DATA FOR 11121OWQ HAS BEEN 'RETIRED' AT THE REQUEST OF STORET USER ASSISTANCE (703)883-8861 ON 03/14/86.

QUANTITY OF DATA RETRIEVED FOR FRSP BY AGENCY CODE
WITHIN THE ENTIRE STUDY AREA (S.A.) AND JUST WITHIN THE PARK

Agency	Organization	Period of Record		Water Quality		Longer Term ¹		No Data		Water Quality		Water Quality							
		Study Area	/	Park Only	S.A.	/	Park	S.A.	/	Park	S.A.	/	Park	S.A.	/	Park			
21VASWCB	VA DEPT OF ENVIRONMENTAL	07/01/68-12/17/98		05/22/91-05/22/91	56		2	28		0	9		1	65574		56	214		56
12NSS	EPA ENVIRONMENTAL RES LAB	03/21/86-04/04/86		No Data in Park	2		0	0		0	0		0	106		0	27		0
11NPSWRD	NATIONAL PARK SERVICE	09/01/77-04/25/96		01/20/93-04/25/96	21		12	6		3	0		0	3132		1514	25		15
1113RAWQ	USEPA REGION 3	07/29/70-08/28/70		No Data in Park	4		0	0		0	0		0	48		0	8		0
11121TWQ	USEPA REGION 3	03/26/70-01/13/71		No Data in Park	1		0	0		0	0		0	236		0	15		0
112WRD	US GEOLOGICAL SURVEY	10/04/67-04/28/94		No Data in Park	12		0	6		0	0		0	18055		0	160		0
11121OWQ	USEPA HQ	06/12/69-09/07/78		No Data in Park	1		0	0		0	0		0	629		0	137		0
1113VABD	USEPA REGION 3	No Data in S.A.		No Data in Park	11		0	0		0	11		0	0		0	0		0
1113PESE	USEPA REGION 3	No Data in S.A.		No Data in Park	1		0	0		0	1		0	0		0	0		0
1113REG3	USEPA REGION 3	No Data in S.A.		No Data in Park	2		0	0		0	2		0	0		0	0		0
CHESBAY	MD DEPT OF NR	No Data in S.A.		No Data in Park	1		0	0		0	1		0	0		0	0		0
Totals		10/04/67-12/17/98		05/22/91-04/25/96	112		14	40		3	24		1	87780		1570	401		66

¹Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Station Period of Record Tabulation
From 10/04/67 To 12/17/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75
FRSP0001	FOX SPRING "116" R03	No	14	0	0	14
FRSP0002 ¹	BUOY 116	No	725	0	123	602
FRSP0003	UNNAMED TRIB AT WETLAND EXIT AT BERGER PRESERVE	No	154	154	0	0
FRSP0004	SNOW CREEK AT EXIT OF WETLAND AT BERGER PRESERVE	No	154	154	0	0
FRSP0005	SNOW CRK AT WETLAND ENTRANCE AT BERGER PRESERVE	No	154	154	0	0
FRSP0006	UNNAMED TRIB AT WETLAND ENTRANCE AT BERGER PRSRV	No	154	154	0	0
FRSP0007	BELVEDERE "118" R2A	No	13	0	0	13
FRSP0008 ¹	BUOY 118	No	1046	0	402	644
FRSP0009	MATTOX CREEK, RT. 625	No	5	5	0	0
FRSP0010 ¹	100 YARDS BELOW MASSAPONOX STP	No	5751	4543	1208	0
FRSP0011	FOX SPRING "120" R02	No	14	0	0	14
FRSP0012 ¹	BUOY 120	No	730	0	123	607
FRSP0013 ¹	RT. 609 (SPOTSYLVANIA COUNTY)	No	998	998	0	0
FRSP0014	NO NAME	No	54	54	0	0
FRSP0015 ¹	BUOY 121	No	607	0	0	607
FRSP0016	RADIO TOWER NEAR PLANT R1A	No	7	0	0	7
FRSP0017	ABOVE RAILROAD TRACKS (FREDERICKSBURG CITY)	No	87	87	0	0
FRSP0018 ¹	100 YARDS BELOW FMC DISCHARGE	No	654	125	516	13
FRSP0019	ROUTE 607 (FREDERICKSBURG CITY)	No	99	99	0	0
FRSP0020 ¹	RT. 606 BRIDGE	No	659	60	599	0
FRSP0021 ¹	ROUTE 218 (STAFFORD COUNTY)	No	131	0	111	20
FRSP0022 ¹	RT. 3 BRIDGE	No	6021	2588	2424	1009
FRSP0023 ¹	100 YDS. BELOW FREDERICKSBURG STP	No	3956	3578	378	0
FRSP0024 ¹	NO NAME	No	52	52	0	0
FRSP0025 ¹	ROUTE 627	No	2091	554	1537	0
FRSP0026 ¹	RT. 3 BRIDGE	No	2925	410	1558	957
FRSP0027 ¹	RT. 17/2 BRIDGE	No	4582	2648	1882	52
FRSP0028 ¹	RT. 1 BRIDGE	No	1146	0	208	938
FRSP0029	RAPPAHANNOCK RIVER TIDAL FLAT	Yes	16	16	0	0
FRSP0030	LAFAYETTE BLVD.	Yes	0	0	0	0
FRSP0031	UNNAMED TRIBUTARY TO HAZEL RUN	Yes	27	27	0	0
FRSP0032	RAPPAHANNOCK RIVER AT FREDERICKSBURG, VA	No	72	0	0	72
FRSP0033 ¹	ROUTE 1, FREDERICKSBURG	No	8529	8529	0	0
FRSP0034	R OFF VA RT 3 BRIDGE FREDERICKSBG	No	0	0	0	0
FRSP0035	UNNAMED TRIBUTARY TO DEEP RUN	Yes	16	16	0	0
FRSP0036	VEPCO CANAL, RT. 1 BRIDGE	No	1017	0	100	917
FRSP0037	JEFFERSON DAVIS BLVD.	No	0	0	0	0
FRSP0038	FREDERICKSBURG, RAPPAHANNOCK RIVER	No	0	0	0	0
FRSP0039	RT. 670	No	0	0	0	0
FRSP0040 ¹	RT. 1 BRIDGE	No	1142	0	346	796
FRSP0041 ¹	RT. 670	No	0	0	0	0
FRSP0042	ROUTE 620 (SPOTSYLVANIA COUNTY)	No	19	0	19	0
FRSP0043 ¹	ROUTE 670 (STAFFORD COUNTY)	No	845	808	37	0
FRSP0044 ¹	R AT BITZNER MEADOW	No	0	0	0	0
FRSP0045 ¹	RAPPAHANNOCK RIVER NEAR FREDERICKSBURG, VA	No	16986	8239	2626	6121
FRSP0046	FREDERICKSBURG USGS MASQHN STA. RAPPAHANNOCK	No	0	0	0	0
FRSP0047 ¹	RAPP. R. AT RT. 2, FRED., VA.	No	629	0	126	503
FRSP0048 ¹	RT. 1 BRIDGE	No	4207	2460	940	807
FRSP0049 ¹	RT. 1 BRIDGE	No	1449	328	695	426
FRSP0050	POTO.R. POSSUM PT.400 YDS.NW R44	No	0	0	0	0
FRSP0051	FREDERICKSBURG, MOTTS RUN RESERVOIR	No	0	0	0	0
FRSP0052	ROUTE 639 (SPOTSYLVANIA COUNTY)	No	19	0	19	0
FRSP0053	RAPPAHANNOCK R AT BITZNER MEADOW	No	0	0	0	0
FRSP0054 ¹	VA 620 BR NEAR DUNAVANT VA	No	0	0	0	0
FRSP0055	MOTTS RUN RESERVOIR - 100' FROM DAM-SPOTSYLVANIA	No	232	232	0	0
FRSP0056 ¹	VA 654 BRIDGE NEAR BEREVA VA	No	0	0	0	0
FRSP0057 ¹	MOTTS RUN RESERVOIR - UPPER RESERVOIR SPOTSYLVAN	No	30	30	0	0
FRSP0058 ¹	RT. 208 BR. N-E OF SPOTSYLVANIA	No	1382	793	304	285
FRSP0059 ¹	VA 654 BR NEAR HOLLYCORNER VA	No	0	0	0	0
FRSP0060	STREAM AT EXIT FROM WETLAND @ SPOTSYLVANIA CRTHS	Yes	153	153	0	0
FRSP0061	STREAM ENTRANCE TO WETLAND AT SPOTSYLVANIA CRTHS	Yes	154	154	0	0
FRSP0062	UNNAMED TRIBUTARY TO THE NI RIVER	Yes	16	16	0	0
FRSP0063	NI RIVER RESERVOIR - STATION #1 100' FROM DAM	No	124	124	0	0
FRSP0064	SPOTSYLVANIA, NI RESERVOIR	No	0	0	0	0
FRSP0065 ¹	RT. 208 BRIDGE	No	2793	2793	0	0
FRSP0066 ¹	RT. 627	No	19	0	19	0
FRSP0067 ¹	AT RTE 610 BRIDGE	No	0	0	0	0
FRSP0068	NI RIVER RESERVOIR STATION #2 MID RESERVOIR	No	0	0	0	0
FRSP0069 ¹	RT. 648	No	0	0	0	0
FRSP0070 ¹	NI RIVER STATION # 4 UPPER RESERVOIR SPOTSYLVAN.	No	31	31	0	0
FRSP0071 ¹	NI RIVER RESERVOIR - STATION #3 LOWER BRANCH	No	31	31	0	0

Station Period of Record Tabulation
From 10/04/67 To 12/17/98

Station Ident.	Location Description	In Park	Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75
FRSP0072 ¹	RT. 608 BRIDGE	No	252	0	252	0
FRSP0073	610 BR NEAR RICHARDSVILLE, A	No	0	0	0	0
FRSP0074	STREAM AT EXIT FROM WETLAND AT CATHERINE FURNACE	No	148	148	0	0
FRSP0075	STREAM ENTRANCE TO WETLAND AT CATHERINE FURNACE	Yes	148	148	0	0
FRSP0076	STREAM AT ENTRANCE TO WETLAND AT HAZEL GROVE	Yes	102	102	0	0
FRSP0077	STREAM AT EXIT FROM WETLAND AT HAZEL GROVE	Yes	130	130	0	0
FRSP0078 ¹	NI RIVER EAST OF CHANCELLORSVILLE BATTLEFIELD	No	272	272	0	0
FRSP0079	672 BR NEAR WARRENTON TRG CENTER	No	0	0	0	0
FRSP0080 ¹	RT. 610 BRIDGE	No	6571	4453	2085	33
FRSP0081	ROUTE 649	No	41	0	41	0
FRSP0082	R AT KELLYS FORD BRIDGE	No	0	0	0	0
FRSP0083	RT. 610 (CULPEPER CO)	No	15	0	15	0
FRSP0084	RT. 612 BRIDGE - CORBIN BRIDGE	No	814	814	0	0
FRSP0085	SHOTGUN HILL BRANCH NEAR WILDERNESS, VA	No	10	10	0	0
FRSP0086 ¹	WILDERNESS RUN AT WILDERNESS, VA	No	176	176	0	0
FRSP0087	RT. 3 (ORANGE/SPOTSYLVANIA CO)	No	77	56	21	0
FRSP0088 ¹	KEATON'S RUN AT CATTLE CROSSING	No	285	285	0	0
FRSP0089	KEATON'S RUN	No	285	285	0	0
FRSP0090	KEATON RUN AT WILDERNESS, VA	No	10	10	0	0
FRSP0091	KEATONS RUN TRIB AT WILDERNESS, VA	No	5	5	0	0
FRSP0092 ¹	SOUTH WILDERNESS RUN AT WILDERNESS BATTLEFIELD	Yes	243	243	0	0
FRSP0093 ¹	NORTH WILDERNESS RUN AT CATTLE CROSSING	Yes	205	205	0	0
FRSP0094 ¹	NORTH WILDERNESS RUN AT WILDERNESS BATTLEFIELD	Yes	304	304	0	0
FRSP0095	HILL E WELL DRIVE (ORANGE CO)	Yes	56	56	0	0
FRSP0096	PIPE DAM RUN VA 620 BR	No	0	0	0	0
FRSP0097 ¹	FLAT RUN NEAR FLAT RUN, VA	No	186	186	0	0
FRSP0098	RT. 3 (ORANGE CO)	No	21	0	21	0
FRSP0099	RAPIDAN R AT RT 3 BRIDGE	No	0	0	0	0
FRSP0100	647 BR NEAR LIGNUM VA	No	0	0	0	0
FRSP0101	RUSSELL RUN NEAR FLAT RUN, VA	No	156	156	0	0
FRSP0102	RT. 603 (ORANGE CO)	No	21	0	21	0
FRSP0103	ROUTE 3 (CULPEPER COUNTY)	No	78	0	78	0
FRSP0104	WICOMICO CREEK AT NUN 2W	No	236	0	0	236
FRSP0105	MINE RUN NEAR LOCUST GROVE, VA	No	9	9	0	0
FRSP0106 ¹	MINE RUN AT BURR HILL, VA	No	195	195	0	0
FRSP0107 ¹	RT. 611 BRIDGE	No	2246	1837	376	33
FRSP0108	ROUTE 692 (ORANGE COUNTY)	No	19	0	19	0
FRSP0109	VAQR507R	No	12	0	12	0
FRSP0110 ¹	BLACK WALNUT RUN NR RHOADESVILLE, VA	No	76	76	0	0
FRSP0111 ¹	MOUNTAIN RUN NEAR BURR HILL, VA	No	174	174	0	0
FRSP0112	ROUTE 611		1281	1019	262	0

¹Longer Term Station With At Least 6 Parameters Having An Average of 1 Or More Observations Per Year During a Period of Record Extending At Least 2 Years.

Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Parameter Code	Name	Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Park
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	2233	925	728	580	33	0
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	983	0	404	579	21	0
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	3878	2134	910	834	69	8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	509	508	1	0	18	4
00023	SAMPLE WEIGHT IN POUNDS	3	3	0	0	1	0
00024	SAMPLE LENGTH IN INCHES	3	3	0	0	1	0
00025	BAROMETRIC PRESSURE (MM OF HG)	364	347	17	0	11	0
00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	393	354	39	0	11	0
00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	413	354	59	0	11	0
00041	WEATHER (WMO CODE 4501)	2629	1137	918	574	35	1
00060	FLOW, STREAM, MEAN DAILY CFS	220	0	0	220	2	0
00061	FLOW, STREAM, INSTANTANEOUS CFS	478	414	64	0	21	7
00064	DEPTH OF STREAM, MEAN (FT)	4	4	0	0	2	0
00065	STAGE, STREAM (FEET)	150	147	3	0	7	0
00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	509	275	127	107	12	0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	270	241	4	25	26	1
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	685	640	45	0	19	0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	13	0	2	11	3	0
00078	TRANSPARENCY, SECCHI DISC (METERS)	222	215	7	0	10	0
00080	COLOR (PLATINUM-COBALT UNITS)	360	131	0	229	25	1
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	1947	1640	307	0	35	7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1844	1537	56	251	53	6
00096	SALINITY AT 25 DEGREES C (MG/ML)	510	488	0	22	5	0
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	244	244	0	0	10	5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	1151	1151	0	0	23	0
00300	OXYGEN, DISSOLVED MG/L	2503	966	935	602	63	8
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	1	0	0	1	1	0
00310	BOD, 5 DAY, 20 DEG C MG/L	1822	1186	523	113	48	1
00335	COD, .025N K2CR2O7 MG/L	70	70	0	0	2	0
00340	COD, .25N K2CR2O7 MG/L	1277	943	332	2	38	1
00400	PH (STANDARD UNITS)	3554	1811	942	801	57	1
00403	PH, LAB, STANDARD UNITS SU	1483	1364	45	74	62	6
00405	CARBON DIOXIDE (MG/L AS CO2)	47	0	5	42	1	0
00406	PH, FIELD, STANDARD UNITS SU	213	213	0	0	10	7
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	4	4	0	0	2	0
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1406	1064	43	299	47	1
00440	BICARBONATE ION (MG/L AS HCO3)	236	4	4	228	3	0
00445	CARBONATE ION (MG/L AS CO3)	228	0	4	224	1	0
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	35	35	0	0	1	0
00453	BICARBONATE,WATER,DISS,INCR TIT, FIELD, AS HCO3,MG/L	35	35	0	0	1	0
00480	SALINITY - PARTS PER THOUSAND	6	1	5	0	6	0
00500	RESIDUE, TOTAL (MG/L)	792	639	78	75	43	1
00505	RESIDUE, TOTAL VOLATILE (MG/L)	789	636	78	75	43	1
00510	RESIDUE, TOTAL FIXED (MG/L)	790	637	78	75	43	1
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	8	6	1	1	7	0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	2353	1767	510	76	46	1
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	2350	1767	509	74	45	1
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	2325	1742	508	75	45	1
00545	RESIDUE, SETTLEABLE (ML/L)	1	0	1	0	1	0
00600	NITROGEN, TOTAL (MG/L AS N)	25	0	25	0	1	0
00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	21	21	0	0	1	0
00602	NITROGEN, DISSOLVED (MG/L AS N)	34	22	12	0	2	0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	25	0	25	0	1	0
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	12	0	12	0	1	0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	1033	998	35	0	5	0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	2303	889	893	521	58	1
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	1012	999	6	7	6	0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	2163	849	869	445	52	1
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	1015	944	0	71	6	0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	1809	831	533	445	45	1
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	63	1	26	36	2	0
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	25	0	25	0	1	0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	3128	1687	913	528	59	1
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	465	26	360	79	30	0
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	382	340	35	7	2	0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	234	0	3	231	3	0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	51	0	0	51	1	0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	116	0	6	110	8	0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	2304	1925	378	1	54	6
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	1129	1081	48	0	17	5
00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	22	22	0	0	1	0

Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Parameter Code	Name	Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	1741	1368	350	23	34	1
00674	PHOSPHORUS, SUSPENDED ORTHOPHOSPHATE (MG/L AS P)	1	1	0	0	1	0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	2029	1429	544	56	51	1
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12	5	7	0	3	0
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	7	0	7	0	1	0
00690	CARBON, TOTAL (MG/L AS C)	19	0	0	19	5	0
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	4	4	0	0	2	0
00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	21	21	0	0	1	0
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	1021	749	43	229	29	1
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO ₃)	254	0	26	228	1	0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	344	70	45	229	11	0
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	344	70	45	229	11	0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1	0	1	0	1	0
00930	SODIUM, DISSOLVED (MG/L AS NA)	343	68	46	229	10	0
00931	SODIUM ADSORPTION RATIO	265	1	35	229	2	0
00932	SODIUM, PERCENT	265	1	35	229	2	0
00933	SODIUM,PLUS POTASSIUM (MG/L)	6	0	6	0	1	0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	352	68	55	229	19	0
00940	CHLORIDE,TOTAL IN WATER MG/L	1182	712	164	306	40	1
00941	CHLORIDE, DISSOLVED IN WATER MG/L	4	4	0	0	2	0
00945	SULFATE, TOTAL (MG/L AS SO ₄)	1340	704	164	472	41	1
00946	SULFATE, DISSOLVED (MG/L AS SO ₄)	4	4	0	0	2	0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	342	68	45	229	9	0
00951	FLUORIDE, TOTAL (MG/L AS F)	228	228	0	0	17	1
00955	SILICA, DISSOLVED (MG/L AS SI ₀₂)	1432	1155	49	228	29	1
01000	ARSENIC, DISSOLVED (UG/L AS AS)	56	33	22	1	7	0
01001	ARSENIC, SUSPENDED (UG/L AS AS)	10	0	10	0	1	0
01002	ARSENIC, TOTAL (UG/L AS AS)	210	47	114	49	33	1
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	80	49	31	0	24	1
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	3	3	0	0	1	0
01005	BARIUM, DISSOLVED (UG/L AS BA)	56	34	22	0	3	0
01006	BARIUM, SUSPENDED (UG/L AS BA)	11	0	11	0	1	0
01007	BARIUM, TOTAL (UG/L AS BA)	12	0	12	0	1	0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	38	29	9	0	3	0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	29	22	7	0	17	1
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	52	43	9	0	21	1
01020	BORON, DISSOLVED (UG/L AS B)	1	0	0	1	1	0
01025	CADMUIM, DISSOLVED (UG/L AS CD)	56	33	22	1	7	0
01026	CADMUIM, SUSPENDED (UG/L AS CD)	9	0	9	0	1	0
01027	CADMUIM, TOTAL (UG/L AS CD)	263	63	128	72	38	1
01028	CADMUIM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	86	55	31	0	29	1
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	86	55	31	0	30	1
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	55	33	22	0	6	0
01031	CHROMIUM, SUSPEND (UG/L AS CR)	7	0	7	0	1	0
01034	CHROMIUM, TOTAL (UG/L AS CR)	336	63	128	145	39	1
01035	COBALT, DISSOLVED (UG/L AS CO)	54	32	22	0	1	0
01036	COBALT, SUSPENDED (UG/L AS CO)	10	0	10	0	1	0
01037	COBALT, TOTAL (UG/L AS CO)	12	0	12	0	1	0
01040	COPPER, DISSOLVED (UG/L AS CU)	56	33	22	1	7	0
01041	COPPER, SUSPENDED (UG/L AS CU)	12	0	12	0	1	0
01042	COPPER, TOTAL (UG/L AS CU)	327	63	121	143	38	1
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	85	54	31	0	29	1
01044	IRON, SUSPENDED (UG/L AS FE)	11	0	11	0	1	0
01045	IRON, TOTAL (UG/L AS FE)	114	54	39	21	30	1
01046	IRON, DISSOLVED (UG/L AS FE)	276	53	22	201	12	0
01049	LEAD, DISSOLVED (UG/L AS PB)	56	33	22	1	7	0
01050	LEAD, SUSPENDED (UG/L AS PB)	10	0	10	0	1	0
01051	LEAD, TOTAL (UG/L AS PB)	306	63	128	115	38	1
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	85	54	31	0	29	1
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	37	37	0	0	24	1
01054	MANGANESE, SUSPENDED (UG/L AS MN)	12	0	12	0	1	0
01055	MANGANESE, TOTAL (UG/L AS MN)	115	51	38	26	34	1
01056	MANGANESE, DISSOLVED (UG/L AS MN)	81	57	23	1	15	0
01057	THALLIUM, DISSOLVED (UG/L AS TL)	5	5	0	0	5	0
01059	THALLIUM, TOTAL (UG/L AS TL)	27	20	7	0	17	1
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	41	32	9	0	1	0
01065	NICKEL, DISSOLVED (UG/L AS NI)	171	38	101	32	27	0
01066	NICKEL, SUSPENDED (UG/L AS NI)	9	0	9	0	1	0
01067	NICKEL, TOTAL (UG/L AS NI)	103	61	42	0	26	1
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	85	54	31	0	29	1
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	3	3	0	0	1	0

Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Parameter Code	Name	Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
01073	THALLIUM, TISSUE, WET WEIGHT, MG/KG	3	3	0	0	1	0
01075	SILVER, DISSOLVED (UG/L AS AG)	59	37	22	0	5	0
01076	SILVER, SUSPENDED (UG/L AS AG)	8	0	8	0	1	0
01077	SILVER, TOTAL (UG/L AS AG)	17	2	15	0	4	0
01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	28	28	0	0	13	0
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	41	32	9	0	1	0
01085	VANADIUM, DISSOLVED (UG/L AS V)	42	32	10	0	2	0
01090	ZINC, DISSOLVED (UG/L AS ZN)	56	33	22	1	7	0
01091	ZINC, SUSPENDED (UG/L ZN)	10	0	10	0	1	0
01092	ZINC, TOTAL (UG/L AS ZN)	397	63	147	187	38	1
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	84	54	30	0	29	1
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	6	6	0	0	5	0
01097	ANTIMONY, TOTAL (UG/L AS SB)	3	2	1	0	3	0
01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	24	24	0	0	13	0
01105	ALUMINUM, TOTAL (UG/L AS AL)	5	4	0	1	3	0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	45	36	9	0	5	0
01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	25	25	0	0	14	0
01130	LITHIUM, DISSOLVED (UG/L AS LI)	41	32	9	0	1	0
01140	SILICON, DISSOLVED (UG/L AS SI)	74	74	0	0	2	0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	60	38	22	0	6	0
01146	SELENIUM, SUSPENDED (UG/L AS SE)	8	0	8	0	1	0
01147	SELENIUM, TOTAL (UG/L AS SE)	53	34	19	0	20	1
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	55	46	9	0	21	1
01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	3	3	0	0	1	0
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	31	31	0	0	20	0
01300	OIL-GREASE (SEVERITY)	2	2	0	0	2	0
01305	DETERGENT SUDS (SEVERITY)	4	4	0	0	3	0
01310	GAS BUBBLES (SEVERITY)	6	6	0	0	3	0
01315	SLUDGE, FLOATING (SEVERITY)	6	6	0	0	3	0
01320	GARBAGE, FLOATING (SEVERITY)	3	3	0	0	3	0
01325	ALGAE, FLOATING MATS (SEVERITY)	8	8	0	0	3	0
01330	ODOR, ATMOSPHERIC (SEVERITY)	6	6	0	0	3	0
01340	FISH, DEAD (SEVERITY)	2	2	0	0	2	0
01345	DEBRIS, FLOATING (SEVERITY)	28	28	0	0	3	0
01350	TURBIDITY (SEVERITY)	53	53	0	0	7	0
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	1115	842	273	0	24	1
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)	4	4	0	0	3	0
22703	URANIUM, NATURAL, DISSOLVED	1	0	1	0	1	0
31505	COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)	149	0	17	132	14	0
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	2	2	0	0	2	0
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	7	7	0	0	2	0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	44	43	0	1	4	0
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	1948	685	838	425	45	1
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	111	67	44	0	6	0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	95	51	44	0	1	0
32101	BROMODICHLOROMETHANE, WHOLE WATER, UG/L	1	0	1	0	1	0
32102	CARBON TETRACHLORIDE, WHOLE WATER, UG/L	1	0	1	0	1	0
32103	1,2-DICHLOROETHANE, WHOLE WATER, UG/L	1	0	1	0	1	0
32104	BROMOFORM, WHOLE WATER, UG/L	1	0	1	0	1	0
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, UG/L	1	0	1	0	1	0
32106	CHLOROFORM, WHOLE WATER, UG/L	1	0	1	0	1	0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	2	2	0	0	1	0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	2	2	0	0	1	0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	2	2	0	0	1	0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	2	2	0	0	1	0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	2	2	0	0	1	0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO, BEFORE/AFTER ACID	2	2	0	0	1	0
32240	TANNIN AND LIGNIN (MG/L)	36	36	0	0	9	0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	15	15	0	0	5	0
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	1	0	1	0	1	0
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	1	0	1	0	1	0
34200	ACENAPHTHYLENE TOTWUG/L	1	0	1	0	1	0
34205	ACENAPHTHENE TOTWUG/L	1	0	1	0	1	0
34210	ACROLEIN TOTWUG/L	1	0	1	0	1	0
34215	ACRYLONITRILE TOTWUG/L	1	0	1	0	1	0
34220	ANTHRACENE TOTWUG/L	1	0	1	0	1	0
34230	BENZO(B)FLUORANTHENE, WHOLE WATER, UG/L	1	0	1	0	1	0
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	1	0	1	0	1	0
34247	BENZO-A-PYRENE TOTWUG/L	1	0	1	0	1	0
34252	BERYLLIUM WET WT/TISMG/KG	3	3	0	0	1	0
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	24	23	1	0	15	0

Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Parameter Code	Name	Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Park
34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	1	0	1	0	1	0
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	1	0	1	0	1	0
34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	1	0	1	0	1	0
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	1	0	1	0	1	0
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	1	0	1	0	1	0
34301	CHLOROBENZENE TOTWUG/L	1	0	1	0	1	0
34311	CHLOROETHANE TOTWUG/L	1	0	1	0	1	0
34320	CHRYSENE TOTWUG/L	1	0	1	0	1	0
34336	DIETHYL PHTHALATE TOTWUG/L	1	0	1	0	1	0
34341	DIMETHYL PHTHALATE TOTWUG/L	1	0	1	0	1	0
34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	1	0	1	0	1	0
34351	ENDOSULFAN SULFATE TOTWUG/L	24	23	1	0	15	0
34356	ENDOSULFAN, BETA TOTWUG/L	24	23	1	0	15	0
34361	ENDOSULFAN, ALPHA TOTWUG/L	24	23	1	0	15	0
34366	ENDRIN ALDEHYDE TOTWUG/L	24	23	1	0	15	0
34371	ETHYLBENZENE TOTWUG/L	1	0	1	0	1	0
34376	FLUORANTHENE TOTWUG/L	1	0	1	0	1	0
34381	FLUORENE TOTWUG/L	1	0	1	0	1	0
34386	HEXAChLOROCYCLOPENTADIENE TOTWUG/L	1	0	1	0	1	0
34396	HEXAChLOROETHANE TOTWUG/L	1	0	1	0	1	0
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	1	0	1	0	1	0
34408	ISOPHORONE TOTWUG/L	1	0	1	0	1	0
34413	METHYL BROMIDE TOTWUG/L	1	0	1	0	1	0
34418	METHYL CHLORIDE TOTWUG/L	1	0	1	0	1	0
34423	METHYLENE CHLORIDE TOTWUG/L	1	0	1	0	1	0
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	1	0	1	0	1	0
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	1	0	1	0	1	0
34438	N-NITROSODIMETHYLAMINE TOTWUG/L	1	0	1	0	1	0
34447	NITROBENZENE TOTWUG/L	1	0	1	0	1	0
34452	PARACHLOROMETA CRESOL TOTWUG/L	1	0	1	0	1	0
34461	PHENANTHRENE TOTWUG/L	1	0	1	0	1	0
34469	PYRENE TOTWUG/L	1	0	1	0	1	0
34475	TETRACHLOROETHYLENE TOTWUG/L	1	0	1	0	1	0
34480	THALLIUM DRY WGTBOTMG/KG	54	45	9	0	20	1
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	1	0	1	0	1	0
34496	1,1-DICHLOROETHANE TOTWUG/L	1	0	1	0	1	0
34501	1,1-DICHLOROETHYLENE TOTWUG/L	1	0	1	0	1	0
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	1	0	1	0	1	0
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	1	0	1	0	1	0
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	1	0	1	0	1	0
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	1	0	1	0	1	0
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	1	0	1	0	1	0
34536	1,2-DICHLOROBENZENE TOTWUG/L	1	0	1	0	1	0
34541	1,2-DICHLOROPROPANE TOTWUG/L	1	0	1	0	1	0
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	1	0	1	0	1	0
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	1	0	1	0	1	0
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	1	0	1	0	1	0
34561	1,3-DICHLOROPROPENE TOTWUG/L	1	0	1	0	1	0
34566	1,3-DICHLOROBENZENE TOTWUG/L	1	0	1	0	1	0
34571	1,4-DICHLOROBENZENE TOTWUG/L	1	0	1	0	1	0
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	1	0	1	0	1	0
34581	2-CHLORONAPHTHALENE TOTWUG/L	1	0	1	0	1	0
34586	2-CHLOROPHENOL TOTWUG/L	1	0	1	0	1	0
34591	2-NITROPHENOL TOTWUG/L	1	0	1	0	1	0
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	1	0	1	0	1	0
34601	2,4-DICHLOROPHENOL TOTWUG/L	1	0	1	0	1	0
34606	2,4-DIMETHYLPHENOL TOTWUG/L	1	0	1	0	1	0
34611	2,4-DINITROTOLUENE TOTWUG/L	1	0	1	0	1	0
34616	2,4-DINITROPHENOL TOTWUG/L	1	0	1	0	1	0
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	1	0	1	0	1	0
34626	2,6-DINITROTOLUENE TOTWUG/L	1	0	1	0	1	0
34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	1	0	1	0	1	0
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	1	0	1	0	1	0
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	1	0	1	0	1	0
34646	4-NITROPHENOL TOTWUG/L	1	0	1	0	1	0
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	1	0	1	0	1	0
34671	PCB - 1016 TOTWUG/L	24	23	1	0	15	0
34675	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD) TOTWUG/L	1	0	1	0	1	0
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	1	0	1	0	1	0
34696	NAPHTHALENE TOTWUG/L	1	0	1	0	1	0
38442	DICAMBA (BANVEL) WATER,DISSUG/L	12	12	0	0	8	0

Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Parameter Code	Name	Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Park
38451	DICHLORPROP WATER,SUSPUG/L	13	13	0	0	9	0
38745	2,4-DB WATER, TOTUG/L	21	21	0	0	14	0
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	45	23	22	0	15	0
39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	3	3	0	0	3	0
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	45	44	1	0	16	0
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	21	0	21	0	6	0
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	21	0	21	0	6	0
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	21	0	21	0	6	0
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	21	0	21	0	6	0
39086	ALKALINITY, WATER,DISS,INCR TIT,FIELD,AS CACO ₃ ,MG/L	35	35	0	0	1	0
39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	1	0	1	0	1	0
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	1	0	1	0	1	0
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1	0
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	1	0	1	0	1	0
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	1	0	1	0	1	0
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	45	23	22	0	15	0
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	21	0	21	0	6	0
39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	45	23	22	0	15	0
39315	O,P'DDD IN WHOLE WATER SAMPLE (UG/L)	21	0	21	0	6	0
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	45	23	22	0	15	0
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	21	0	21	0	6	0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	62	23	39	0	15	0
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	48	29	19	0	16	0
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	24	23	1	0	15	0
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	24	23	1	0	15	0
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	24	23	1	0	15	0
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	25	3	22	0	10	0
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	45	44	1	0	16	0
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	45	44	1	0	16	0
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	2	0	0	2	2	0
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	45	44	1	0	16	0
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	45	44	1	0	16	0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	46	23	22	1	16	0
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	45	44	1	0	16	0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	46	23	22	1	16	0
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	45	44	1	0	16	0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	24	23	1	0	15	0
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	45	44	1	0	16	0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	24	23	1	0	15	0
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	45	44	1	0	16	0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	24	23	1	0	15	0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	21	0	21	0	6	0
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	24	23	1	0	15	0
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	24	23	1	0	15	0
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	24	23	1	0	15	0
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	24	23	1	0	15	0
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	4	3	1	0	4	0
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	24	23	1	0	15	0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	32	11	21	0	14	0
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	45	44	1	0	16	0
39560	DEMETON IN WHOLE WATER SAMPLE (UG/L)	2	2	0	0	2	0
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	19	0	18	1	7	0
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	19	0	19	0	6	0
39700	HEXAChlorOBENZENE IN WHOLE WATER SAMPLE (UG/L)	22	0	22	0	7	0
39702	HEXAChlorOBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	1	0	1	0	1	0
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	21	21	0	0	14	0
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	21	21	0	0	14	0
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	21	21	0	0	14	0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1	0
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO ₃)	17	17	0	0	9	0
49567	PHOSPHOROUS PARTICULATE, FIELD FILT.,SUSP,WTR MG/L	59	59	0	0	1	0
49569	CARBON PARICULATE, FIELD FILTERED, SUSP., WTR MG/L	59	59	0	0	1	0
49570	NITROGEN PARTICULATE, FIELD FILT., SUSP., WTR MG/L	57	57	0	0	1	0
49571	NITROGEN TOTAL, FIELD FILTERED, DISSOLVED,WTR MG/L	59	59	0	0	1	0
49572	PHOSPHOROUS TOTAL, FIELD FILTRED, DISSLVD,WTR MG/L	59	59	0	0	1	0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	189	28	154	7	17	0
50760	CHLORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	1	0	1	0	1	0
50761	BROMINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	1	0	1	0	1	0
60050	ALGAE, TOTAL (CELLS/ML)	11	0	11	0	1	0
61272	INVALID PARAMETER	207	207	0	0	10	7
61277	INVALID PARAMETER	174	174	0	0	10	7

Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Parameter Code	Name	Total Obs	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Stations Total	Stations Park
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	552	281	43	228	16	7
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	263	1	34	228	1	0
70302	SOLIDS, DISSOLVED-TONS PER DAY	197	0	27	170	1	0
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	262	0	34	228	1	0
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	100	53	47	0	1	0
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	982	0	538	444	22	0
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	1780	727	540	513	49	5
71825	ACIDITY, TOTAL (MG/L AS H)	1	0	1	0	1	0
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	13	0	13	0	1	0
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	23	1	22	0	1	0
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	208	4	0	204	3	0
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	7	0	0	7	1	0
71885	IRON (UG/L AS FE)	31	4	0	27	3	0
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	45	8	30	7	5	0
71887	NITROGEN, TOTAL, AS NO3 - MG/L	25	0	25	0	1	0
71890	MERCURY, DISSOLVED (UG/L AS HG)	54	32	22	0	6	0
71895	MERCURY, SUSPENDED (UG/L AS HG)	5	0	5	0	1	0
71900	MERCURY, TOTAL (UG/L AS HG)	321	58	128	135	38	1
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	88	59	29	0	33	1
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	3	3	0	0	1	0
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	3	3	0	0	1	0
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	3	3	0	0	1	0
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	3	3	0	0	1	0
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	3	3	0	0	1	0
71940	CADMUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	3	3	0	0	1	0
71994	VOLUME OF WATER FILTERED LITERS	2	2	0	0	1	0
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	4	4	0	0	2	0
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	32	32	0	0	14	0
77825	ALACHLOR WHOLE WATER,UG/L	21	21	0	0	14	0
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	32	32	0	0	14	0
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	108	60	48	0	3	0
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	23	1	22	0	1	0
81024	DRAINAGE AREA IN SQUARE MILES (SQ. ML.)	4	4	0	0	2	0
81281	KEPONE(C10CL10O) WHOLE WATER SAMPLE UG/L	2	2	0	0	2	0
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	3	3	0	0	1	0
81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	3	3	0	0	1	0
82032	CALCIUM - TOTAL UG/L (AS CA)	5	5	0	0	5	0
82036	CALCIUM-DISSOLVED UG/L (AS CA)	1	1	0	0	1	0
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	3	3	0	0	3	0
82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	2	0	2	0	1	0
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	122	122	0	0	10	0
82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	3	3	0	0	2	0
82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	1	0	1	0	1	0
82398	SAMPLING METHOD (CODES)	41	19	22	0	1	0
83509	STREAM, WIDTH METER	4	4	0	0	2	0
84007	ANATOMY ALPHA CODE	3	3	0	0	1	0

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0002	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/02/68-10/06/75	7	47	
FRSP0008	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/02/68-05/09/78	9	61	
FRSP0010	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/11/76-12/10/98	22	106	
FRSP0012	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/02/68-10/06/75	7	46	
FRSP0013	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/14/92-11/23/98	6	30	
FRSP0015	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/02/68-08/28/74	6	38	
FRSP0018	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/26/74-05/09/78	3	21	
FRSP0020	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	02/25/75-03/27/91	16	34	
FRSP0022	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	08/06/68-11/23/98	30	254	
FRSP0023	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/11/76-12/10/98	22	60	
FRSP0025	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/30/79-06/17/87	7	86	
FRSP0026	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/01/68-04/27/88	19	150	
FRSP0027	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/03/74-11/23/98	24	185	
FRSP0028	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	08/06/68-01/27/78	9	70	
FRSP0033	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	10/05/94-12/10/98	4	43	
FRSP0036	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/01/68-02/23/76	7	68	
FRSP0040	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/01/68-04/14/78	9	81	
FRSP0043	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	03/24/94-11/23/98	4	27	
FRSP0045	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	01/24/79-01/24/79	0	1	
FRSP0048	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/02/68-12/17/98	30	174	
FRSP0049	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/12/72-08/12/91	19	74	
FRSP0055	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/23/96-07/23/96	0	2	
FRSP0057	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/23/96-07/23/96	0	1	
FRSP0058	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	04/09/73-08/22/90	17	64	
FRSP0063	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	08/20/96-08/20/96	0	2	
FRSP0065	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	07/29/87-12/17/98	11	91	
FRSP0070	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	08/20/96-08/20/96	0	1	
FRSP0071	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	08/20/96-08/20/96	0	1	
FRSP0072	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	06/03/76-04/14/78	1	11	
FRSP0080	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/16/74-12/16/98	24	249	
FRSP0084	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	12/27/90-10/21/98	7	25	
FRSP0107	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	09/09/74-11/04/98	24	88	
FRSP0112	No	00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)	05/27/76-11/04/98	22	42	
FRSP0002	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/02/68-10/06/75	7	47	
FRSP0008	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/02/68-05/09/78	9	61	
FRSP0010	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/11/76-05/09/78	1	12	
FRSP0012	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/02/68-10/06/75	7	46	
FRSP0015	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/02/68-08/28/74	6	37	
FRSP0018	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	09/26/74-05/09/78	3	21	
FRSP0020	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	02/25/75-06/05/78	3	32	
FRSP0022	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	08/06/68-04/14/78	9	97	
FRSP0023	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/11/76-05/09/78	1	13	
FRSP0026	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/01/68-05/09/78	9	81	
FRSP0027	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	09/03/74-04/14/78	3	38	
FRSP0028	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	08/06/68-01/27/78	9	70	
FRSP0036	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/01/68-02/23/76	7	68	
FRSP0040	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/01/68-04/14/78	9	81	
FRSP0048	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	07/02/68-05/02/78	9	97	
FRSP0049	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/12/72-05/02/78	5	63	
FRSP0058	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	04/09/73-05/02/78	5	34	
FRSP0072	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	06/03/76-04/14/78	1	11	
FRSP0080	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	09/16/74-04/14/78	3	38	
FRSP0107	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	09/09/74-05/11/78	3	23	
FRSP0112	No	00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)	05/27/76-05/11/78	1	13	
FRSP0001	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	0	1	
FRSP0002	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	7	47	
FRSP0007	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	0	1	
FRSP0008	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-06/13/79	10	65	
FRSP0009	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/23/96-04/23/96	0	1	
FRSP0010	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	22	252	
FRSP0011	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	0	1	
FRSP0012	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	7	46	
FRSP0013	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/14/92-11/23/98	6	28	
FRSP0014	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/86-04/04/86	0	2	
FRSP0015	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-08/28/74	6	38	
FRSP0016	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	0	1	
FRSP0017	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/85-04/17/90	4	2	
FRSP0018	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/26/74-06/15/88	13	36	
FRSP0019	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/90-02/26/91	0	2	
FRSP0020	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/75-03/27/91	16	46	
FRSP0022	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	30	260	
FRSP0023	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	22	177	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0024	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/86-04/04/86	0	2	
FRSP0025	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	9	89	
FRSP0026	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	19	146	
FRSP0027	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	24	192	
FRSP0028	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	9	73	
FRSP0029	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/25/95-12/01/95	0	2	
FRSP0031	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/22/95-12/01/95	0	2	
FRSP0032	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/12/70-06/25/70	0	5	
FRSP0033	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	12	453	
FRSP0035	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/25/95-12/01/95	0	2	
FRSP0036	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	7	67	
FRSP0040	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	10	87	
FRSP0043	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/06/84-11/23/98	14	26	
FRSP0045	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	26	524	
FRSP0047	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/69-08/11/70	1	53	
FRSP0048	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	30	183	
FRSP0049	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	19	86	
FRSP0055	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/91-07/23/96	4	2	
FRSP0057	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/23/96-07/23/96	0	1	
FRSP0058	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	17	70	
FRSP0062	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/23/95-12/04/95	0	2	
FRSP0063	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/96-08/20/96	0	1	
FRSP0065	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	11	91	
FRSP0070	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/96-08/20/96	0	1	
FRSP0071	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/96-08/20/96	0	1	
FRSP0072	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/03/76-06/04/79	3	17	
FRSP0078	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/93-03/21/96	3	35	
FRSP0080	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	24	252	
FRSP0081	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/76-10/05/76	0	2	
FRSP0084	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/27/90-10/21/98	7	23	
FRSP0085	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/91-08/19/91	0	1	
FRSP0086	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-10/01/91	2	8	
FRSP0087	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/91-05/22/91	0	1	
FRSP0088	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-10/27/95	2	37	
FRSP0089	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-04/11/96	3	38	
FRSP0090	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/91-08/20/91	0	1	
FRSP0092	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-04/18/96	3	31	
FRSP0093	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-08/28/95	2	27	
FRSP0094	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-04/18/96	3	39	
FRSP0095	Yes	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/91-05/22/91	0	1	
FRSP0097	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-10/01/91	2	9	
FRSP0101	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-11/04/98	24	87	
FRSP0103	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/81-03/10/81	0	1	
FRSP0104	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/70-01/13/71	0	22	
FRSP0105	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/91-08/20/91	0	1	
FRSP0106	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-10/01/91	2	9	
FRSP0107	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/07/74-11/04/98	24	87	
FRSP0109	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/77-09/01/77	0	1	
FRSP0110	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/89-10/01/91	2	7	
FRSP0111	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/25/89-10/01/91	2	8	
FRSP0112	No	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/27/76-11/04/98	22	47	
FRSP0031	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/22/95-02/01/96	0	2	
FRSP0045	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	9	285	
FRSP0078	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-02/01/96	3	29	
FRSP0085	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/19/91-08/19/91	0	1	
FRSP0086	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-10/01/91	2	8	
FRSP0088	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-07/26/95	2	31	
FRSP0089	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-02/01/96	3	30	
FRSP0090	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/20/91-08/20/91	0	1	
FRSP0091	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/19/91-08/19/91	0	1	
FRSP0092	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-08/02/95	2	26	
FRSP0093	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-08/28/95	2	23	
FRSP0094	Yes	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-08/02/95	2	32	
FRSP0097	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-10/01/91	2	9	
FRSP0101	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-03/30/91	1	6	
FRSP0105	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/20/91-08/20/91	0	1	
FRSP0106	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-10/01/91	2	9	
FRSP0110	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/26/89-10/01/91	2	7	
FRSP0111	No	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/25/89-10/01/91	2	8	
FRSP0080	No	00023	SAMPLE WEIGHT IN POUNDS	07/16/91-07/16/91	0	3	
FRSP0080	No	00024	SAMPLE LENGTH IN INCHES	07/16/91-07/16/91	0	3	
FRSP0045	No	00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	11	320	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0085	No	00025	BAROMETRIC PRESSURE (MM OF HG)	08/19/91-08/19/91	0	1	
FRSP0086	No	00025	BAROMETRIC PRESSURE (MM OF HG)	07/24/89-10/01/91	2	7	
FRSP0090	No	00025	BAROMETRIC PRESSURE (MM OF HG)	08/20/91-08/20/91	0	1	
FRSP0091	No	00025	BAROMETRIC PRESSURE (MM OF HG)	08/19/91-08/19/91	0	1	
FRSP0097	No	00025	BAROMETRIC PRESSURE (MM OF HG)	07/24/89-10/01/91	2	8	
FRSP0101	No	00025	BAROMETRIC PRESSURE (MM OF HG)	07/24/89-03/30/91	1	5	
FRSP0105	No	00025	BAROMETRIC PRESSURE (MM OF HG)	08/20/91-08/20/91	0	1	
FRSP0106	No	00025	BAROMETRIC PRESSURE (MM OF HG)	07/24/89-10/01/91	2	8	
FRSP0110	No	00025	BAROMETRIC PRESSURE (MM OF HG)	09/06/89-10/01/91	2	5	
FRSP0111	No	00025	BAROMETRIC PRESSURE (MM OF HG)	07/25/89-10/01/91	2	7	
FRSP0045	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	03/27/78-04/28/94	16	342	
FRSP0085	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/19/91-08/19/91	0	1	
FRSP0086	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/24/89-10/01/91	2	8	
FRSP0090	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/20/91-08/20/91	0	1	
FRSP0091	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/19/91-08/19/91	0	1	
FRSP0097	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/24/89-10/01/91	2	9	
FRSP0101	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/24/89-03/30/91	1	6	
FRSP0105	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	08/20/91-08/20/91	0	1	
FRSP0106	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/24/89-10/01/91	2	9	
FRSP0110	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/26/89-10/01/91	2	7	
FRSP0111	No	00027	CODE NO FOR AGENCY COLLECTING SAMPLE-SEE APPEND.	07/25/89-10/01/91	2	8	
FRSP0045	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	03/27/78-04/28/94	16	362	
FRSP0085	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/19/91-08/19/91	0	1	
FRSP0086	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/24/89-10/01/91	2	8	
FRSP0090	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/20/91-08/20/91	0	1	
FRSP0091	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/19/91-08/19/91	0	1	
FRSP0097	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/24/89-10/01/91	2	9	
FRSP0101	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/24/89-03/30/91	1	6	
FRSP0105	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	08/20/91-08/20/91	0	1	
FRSP0106	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/24/89-10/01/91	2	9	
FRSP0110	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/26/89-10/01/91	2	7	
FRSP0111	No	00028	CODE NO FOR AGENCY ANALYZING SAMPLE (SEE APPEND)	07/25/89-10/01/91	2	8	
FRSP0002	No	00041	WEATHER (WMO CODE 4501)	07/02/68-10/06/75	7	45	
FRSP0008	No	00041	WEATHER (WMO CODE 4501)	07/02/68-06/13/79	10	64	
FRSP0010	No	00041	WEATHER (WMO CODE 4501)	05/11/76-12/10/98	22	183	
FRSP0012	No	00041	WEATHER (WMO CODE 4501)	07/02/68-10/06/75	7	45	
FRSP0013	No	00041	WEATHER (WMO CODE 4501)	05/14/92-11/23/98	6	28	
FRSP0015	No	00041	WEATHER (WMO CODE 4501)	07/02/68-08/28/74	6	37	
FRSP0018	No	00041	WEATHER (WMO CODE 4501)	09/26/74-06/15/88	13	30	
FRSP0020	No	00041	WEATHER (WMO CODE 4501)	02/25/75-03/27/91	16	47	
FRSP0022	No	00041	WEATHER (WMO CODE 4501)	08/06/68-11/23/98	30	264	
FRSP0023	No	00041	WEATHER (WMO CODE 4501)	05/11/76-12/10/98	22	119	
FRSP0025	No	00041	WEATHER (WMO CODE 4501)	03/07/78-06/17/87	9	95	
FRSP0026	No	00041	WEATHER (WMO CODE 4501)	07/01/68-04/27/88	19	154	
FRSP0027	No	00041	WEATHER (WMO CODE 4501)	09/03/74-11/23/98	24	197	
FRSP0028	No	00041	WEATHER (WMO CODE 4501)	08/06/68-01/27/78	9	74	
FRSP0033	No	00041	WEATHER (WMO CODE 4501)	07/21/86-12/10/98	12	134	
FRSP0036	No	00041	WEATHER (WMO CODE 4501)	07/01/68-02/23/76	7	67	
FRSP0040	No	00041	WEATHER (WMO CODE 4501)	07/01/68-06/04/79	10	87	
FRSP0043	No	00041	WEATHER (WMO CODE 4501)	03/24/94-11/23/98	4	25	
FRSP0045	No	00041	WEATHER (WMO CODE 4501)	12/30/77-08/28/85	7	48	
FRSP0048	No	00041	WEATHER (WMO CODE 4501)	07/02/68-12/17/98	30	186	
FRSP0049	No	00041	WEATHER (WMO CODE 4501)	05/12/72-06/10/91	19	87	
FRSP0055	No	00041	WEATHER (WMO CODE 4501)	08/14/91-07/23/96	4	2	
FRSP0057	No	00041	WEATHER (WMO CODE 4501)	07/23/96-07/23/96	0	1	
FRSP0058	No	00041	WEATHER (WMO CODE 4501)	04/09/73-08/22/90	17	72	
FRSP0063	No	00041	WEATHER (WMO CODE 4501)	08/20/96-08/20/96	0	1	
FRSP0065	No	00041	WEATHER (WMO CODE 4501)	07/29/87-12/17/98	11	94	
FRSP0070	No	00041	WEATHER (WMO CODE 4501)	08/20/96-08/20/96	0	1	
FRSP0071	No	00041	WEATHER (WMO CODE 4501)	08/20/96-08/20/96	0	1	
FRSP0072	No	00041	WEATHER (WMO CODE 4501)	06/03/76-06/04/79	3	17	
FRSP0080	No	00041	WEATHER (WMO CODE 4501)	09/16/74-12/16/98	24	259	
FRSP0084	No	00041	WEATHER (WMO CODE 4501)	12/27/90-10/21/98	7	24	
FRSP0087	No	00041	WEATHER (WMO CODE 4501)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	00041	WEATHER (WMO CODE 4501)	05/22/91-05/22/91	0	1	
FRSP0107	No	00041	WEATHER (WMO CODE 4501)	09/09/74-11/04/98	24	91	
FRSP0112	No	00041	WEATHER (WMO CODE 4501)	05/27/76-11/04/98	22	48	
FRSP0045	No	00060	FLOW, STREAM, MEAN DAILY CFS	10/04/67-08/15/74	6	170	
FRSP0047	No	00060	FLOW, STREAM, MEAN DAILY CFS	06/12/69-07/06/70	1	50	
FRSP0010	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/80-10/23/80	0	1	
FRSP0029	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/25/95-12/01/95	0	2	
FRSP0031	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/01/95-02/15/96	0	3	

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Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0033	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	01/21/96-09/24/96	0	37	
FRSP0035	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	09/25/95-12/01/95	0	2	
FRSP0045	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	15	348	
FRSP0062	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/95-12/04/95	0	2	
FRSP0078	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/95-03/21/96	1	6	
FRSP0085	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/19/91-08/19/91	0	1	
FRSP0086	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-10/01/91	2	8	
FRSP0088	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/95-10/27/95	0	6	
FRSP0089	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/22/95-04/11/96	1	8	
FRSP0090	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/20/91-08/20/91	0	1	
FRSP0092	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	08/02/95-04/25/96	0	4	
FRSP0093	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/01/95-08/09/95	0	4	
FRSP0094	Yes	00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/95-02/08/96	0	7	
FRSP0097	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-10/01/91	2	9	
FRSP0101	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-03/30/91	1	6	
FRSP0106	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-10/01/91	2	8	
FRSP0110	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/26/89-10/01/91	2	7	
FRSP0111	No	00061	FLOW, STREAM, INSTANTANEOUS CFS	07/25/89-10/01/91	2	8	
FRSP0114	No	00064	DEPTH OF STREAM, MEAN (FT)	03/21/86-04/04/86	0	2	
FRSP0024	No	00064	DEPTH OF STREAM, MEAN (FT)	03/21/86-04/04/86	0	2	
FRSP0045	No	00065	STAGE, STREAM (FEET)	04/18/83-04/28/94	11	134	
FRSP0086	No	00065	STAGE, STREAM (FEET)	10/03/90-10/01/91	0	3	
FRSP0097	No	00065	STAGE, STREAM (FEET)	10/03/90-10/01/91	0	3	
FRSP0101	No	00065	STAGE, STREAM (FEET)	10/03/90-11/29/90	0	2	
FRSP0106	No	00065	STAGE, STREAM (FEET)	10/03/90-11/29/90	0	2	
FRSP0110	No	00065	STAGE, STREAM (FEET)	10/03/90-10/01/91	0	3	
FRSP0111	No	00065	STAGE, STREAM (FEET)	10/03/90-10/01/91	0	3	
FRSP0002	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/02/68-08/01/73	5	26	
FRSP0008	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/02/68-06/13/79	10	41	
FRSP0010	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/20/76-12/10/98	22	166	
FRSP0012	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/02/68-07/23/74	6	24	
FRSP0015	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/02/68-07/23/74	6	27	
FRSP0018	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	05/29/75-06/15/88	13	15	
FRSP0023	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/20/76-12/10/98	22	107	
FRSP0026	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	02/27/69-04/27/88	19	68	
FRSP0027	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	07/03/79-07/03/79	0	1	
FRSP0033	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	08/19/86-08/14/97	10	32	
FRSP0045	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	03/04/93-03/04/93	0	1	
FRSP0080	No	00067	TIDE STAGE (REFER TO APPENDIX FOR CODES)	02/27/91-02/27/91	0	1	
FRSP0008	No	00070	TURBIDITY, JACKSON CANDLE UNITS	06/02/71-07/21/71	0	3	
FRSP0010	No	00070	TURBIDITY, JACKSON CANDLE UNITS	02/21/91-10/04/93	2	11	
FRSP0012	No	00070	TURBIDITY, JACKSON CANDLE UNITS	06/02/71-07/21/71	0	3	
FRSP0013	No	00070	TURBIDITY, JACKSON CANDLE UNITS	03/17/92-03/17/92	0	1	
FRSP0015	No	00070	TURBIDITY, JACKSON CANDLE UNITS	06/02/71-07/02/71	0	2	
FRSP0019	No	00070	TURBIDITY, JACKSON CANDLE UNITS	02/26/91-02/26/91	0	1	
FRSP0020	No	00070	TURBIDITY, JACKSON CANDLE UNITS	12/27/90-03/27/91	0	2	
FRSP0022	No	00070	TURBIDITY, JACKSON CANDLE UNITS	04/25/71-03/17/92	20	29	
FRSP0023	No	00070	TURBIDITY, JACKSON CANDLE UNITS	02/21/91-10/04/93	2	11	
FRSP0027	No	00070	TURBIDITY, JACKSON CANDLE UNITS	10/12/88-03/17/92	3	26	
FRSP0032	No	00070	TURBIDITY, JACKSON CANDLE UNITS	07/30/70-07/30/70	0	1	
FRSP0033	No	00070	TURBIDITY, JACKSON CANDLE UNITS	03/23/90-08/03/93	3	5	
FRSP0036	No	00070	TURBIDITY, JACKSON CANDLE UNITS	04/25/71-07/15/71	0	4	
FRSP0040	No	00070	TURBIDITY, JACKSON CANDLE UNITS	04/25/71-07/15/71	0	4	
FRSP0045	No	00070	TURBIDITY, JACKSON CANDLE UNITS	12/30/77-01/24/91	13	6	
FRSP0048	No	00070	TURBIDITY, JACKSON CANDLE UNITS	04/21/71-03/17/92	20	20	
FRSP0049	No	00070	TURBIDITY, JACKSON CANDLE UNITS	09/13/90-06/10/91	0	10	
FRSP0055	No	00070	TURBIDITY, JACKSON CANDLE UNITS	08/14/91-08/14/91	0	1	
FRSP0058	No	00070	TURBIDITY, JACKSON CANDLE UNITS	07/29/87-08/22/90	3	28	
FRSP0065	No	00070	TURBIDITY, JACKSON CANDLE UNITS	07/29/87-03/17/92	4	31	
FRSP0080	No	00070	TURBIDITY, JACKSON CANDLE UNITS	11/03/88-04/15/92	3	37	
FRSP0084	No	00070	TURBIDITY, JACKSON CANDLE UNITS	12/27/90-03/31/92	1	5	
FRSP0087	No	00070	TURBIDITY, JACKSON CANDLE UNITS	05/22/91-05/22/91	0	1	
FRSP0095	Yes	00070	TURBIDITY, JACKSON CANDLE UNITS	05/22/91-05/22/91	0	1	
FRSP0107	No	00070	TURBIDITY, JACKSON CANDLE UNITS	11/03/88-03/23/92	3	21	
FRSP0112	No	00070	TURBIDITY, JACKSON CANDLE UNITS	12/19/90-03/23/92	1	6	
FRSP0110	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	5	76	
FRSP0013	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/15/94-11/23/98	4	19	
FRSP0022	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/15/94-11/23/98	4	19	
FRSP0023	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	5	77	
FRSP0027	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/15/94-11/23/98	4	19	
FRSP0033	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	10	140	
FRSP0043	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/21/94-11/23/98	4	21	

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Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0045	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	15	141	
FRSP0048	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/14/94-12/17/98	4	37	
FRSP0055	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/23/96-07/23/96	0	1	
FRSP0057	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/23/96-07/23/96	0	1	
FRSP0063	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/20/96-08/20/96	0	1	
FRSP0065	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/14/94-12/17/98	4	36	
FRSP0070	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/20/96-08/20/96	0	1	
FRSP0071	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/20/96-08/20/96	0	1	
FRSP0080	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/21/94-12/16/98	4	50	
FRSP0084	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/05/94-10/21/98	3	13	
FRSP0107	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/29/94-11/04/98	4	16	
FRSP0112	No	00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/29/94-11/04/98	4	16	
FRSP0008	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/78-08/15/78	0	1	
FRSP0026	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	08/15/78-08/15/78	0	1	
FRSP0104	No	00077	TRANSPARENCY, SECCHI DISC (INCHES)	03/26/70-01/13/71	0	11	
FRSP0010	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	16	117	
FRSP0018	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	05/03/88-06/15/88	0	5	
FRSP0023	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	7	89	
FRSP0026	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-09/29/87	4	5	
FRSP0033	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/09/94-08/09/94	0	1	
FRSP0055	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/23/96-07/23/96	0	1	
FRSP0057	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	07/23/96-07/23/96	0	1	
FRSP0063	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/20/96-08/20/96	0	1	
FRSP0070	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/20/96-08/20/96	0	1	
FRSP0071	No	00078	TRANSPARENCY, SECCHI DISC (METERS)	08/20/96-08/20/96	0	1	
FRSP0013	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/17/92-02/17/93	0	4	
FRSP0014	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/21/86-04/04/86	0	2	
FRSP0019	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/26/91-02/26/91	0	1	
FRSP0020	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/27/91-03/27/91	0	1	
FRSP0022	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/13/91-02/17/93	2	8	
FRSP0023	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/08/91-11/07/91	0	2	
FRSP0024	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/04/86-04/04/86	0	1	
FRSP0027	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/13/91-02/17/93	2	10	
FRSP0032	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/30/70-07/30/70	0	1	
FRSP0045	No	00080	COLOR (PLATINUM-COBALT UNITS)	10/04/67-08/15/74	6	228	
FRSP0048	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/07/91-01/20/93	1	19	
FRSP0049	No	00080	COLOR (PLATINUM-COBALT UNITS)	02/07/91-06/10/91	0	5	
FRSP0055	No	00080	COLOR (PLATINUM-COBALT UNITS)	08/14/91-08/14/91	0	1	
FRSP0065	No	00080	COLOR (PLATINUM-COBALT UNITS)	01/22/92-02/24/93	1	12	
FRSP0080	No	00080	COLOR (PLATINUM-COBALT UNITS)	09/26/90-02/25/93	2	24	
FRSP0084	No	00080	COLOR (PLATINUM-COBALT UNITS)	03/27/91-12/22/92	1	6	
FRSP0086	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/24/89-03/30/91	1	3	
FRSP0087	No	00080	COLOR (PLATINUM-COBALT UNITS)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	00080	COLOR (PLATINUM-COBALT UNITS)	05/22/91-05/22/91	0	1	
FRSP0097	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/24/89-03/30/91	1	3	
FRSP0101	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/24/89-03/30/91	1	3	
FRSP0106	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/25/89-03/30/91	1	3	
FRSP0107	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/24/91-03/02/93	1	9	
FRSP0111	No	00080	COLOR (PLATINUM-COBALT UNITS)	07/25/89-03/30/91	1	3	
FRSP0112	No	00080	COLOR (PLATINUM-COBALT UNITS)	04/24/91-03/02/93	1	9	
FRSP0009	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	04/23/96-04/23/96	0	1	
FRSP0010	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	19	238	
FRSP0013	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/17/92-11/23/98	6	29	
FRSP0017	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	06/06/85-06/06/85	0	1	
FRSP0018	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	05/03/88-06/15/88	0	10	
FRSP0022	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	19	137	
FRSP0023	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	7	160	
FRSP0025	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	7	82	
FRSP0026	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/16/79-02/18/88	8	55	
FRSP0027	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	19	130	
FRSP0029	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/25/95-12/01/95	0	2	
FRSP0031	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/22/95-12/01/95	0	2	
FRSP0033	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	12	409	
FRSP0035	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/25/95-12/01/95	0	2	
FRSP0043	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/24/94-11/23/98	4	25	
FRSP0048	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	8	64	
FRSP0049	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/13/90-10/09/90	0	2	
FRSP0055	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/23/96-07/23/96	0	1	
FRSP0057	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/23/96-07/23/96	0	1	
FRSP0058	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/87-10/24/89	2	22	
FRSP0062	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	10/23/95-12/04/95	0	2	
FRSP0063	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM 25C)	08/20/96-08/20/96	0	1	

A

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0065	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	11	84	
FRSP0070	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/20/96-08/20/96	0	1	
FRSP0071	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/20/96-08/20/96	0	1	
FRSP0078	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/14/93-03/21/96	3	35	
FRSP0080	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	19	184	A
FRSP0084	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/31/92-10/21/98	6	20	
FRSP0088	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/20/93-10/27/95	2	37	
FRSP0089	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/20/93-04/11/96	3	37	
FRSP0092	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/20/93-04/25/96	3	32	
FRSP0093	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/20/93-08/28/95	2	27	
FRSP0094	Yes	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	01/20/93-04/18/96	3	40	
FRSP0107	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/87-11/04/98	11	48	
FRSP0112	No	00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/19/91-11/04/98	6	25	
FRSP0003	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	26	
FRSP0004	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	26	
FRSP0005	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	26	
FRSP0006	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	26	
FRSP0008	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-08/15/78	0	1	
FRSP0010	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	20	123	
FRSP0013	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/17/92-11/23/98	6	29	
FRSP0014	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/21/86-04/04/86	0	2	
FRSP0017	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/90-04/17/90	0	1	
FRSP0018	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-06/15/88	9	3	
FRSP0019	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/90-02/26/91	0	2	
FRSP0020	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/27/90-03/27/91	0	2	
FRSP0022	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/79-11/23/98	19	41	
FRSP0023	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	20	101	
FRSP0024	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/21/86-04/04/86	0	2	
FRSP0026	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-08/15/78	0	1	
FRSP0027	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/89-11/23/98	9	43	
FRSP0032	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/70-07/30/70	0	1	
FRSP0033	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	8	207	
FRSP0043	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/21/94-11/23/98	4	24	
FRSP0045	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	26	580	T,A,S
FRSP0048	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	8	75	
FRSP0049	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/90-06/10/91	0	8	
FRSP0055	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/91-07/23/96	4	2	
FRSP0057	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/23/96-07/23/96	0	1	
FRSP0058	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/27/89-08/22/90	0	7	
FRSP0060	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	26	
FRSP0061	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	26	
FRSP0063	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/96-08/20/96	0	1	
FRSP0065	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	9	70	
FRSP0070	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/96-08/20/96	0	1	
FRSP0071	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/96-08/20/96	0	1	
FRSP0074	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	25	
FRSP0075	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	25	
FRSP0076	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/17/93-11/18/94	0	17	
FRSP0077	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	0	22	
FRSP0080	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	9	104	
FRSP0084	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/27/90-10/21/98	7	23	
FRSP0085	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/91-08/19/91	0	1	
FRSP0086	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-10/01/91	2	8	
FRSP0087	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/22/91-05/22/91	0	1	
FRSP0090	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/91-08/20/91	0	1	
FRSP0095	Yes	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/22/91-05/22/91	0	1	
FRSP0097	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-10/01/91	2	9	
FRSP0101	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-03/30/91	1	6	
FRSP0104	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/70-01/13/71	0	22	
FRSP0105	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/91-08/20/91	0	1	
FRSP0106	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-10/01/91	2	9	
FRSP0107	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-11/04/98	9	38	
FRSP0109	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/77-09/01/77	0	1	
FRSP0110	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/89-10/01/91	2	7	
FRSP0111	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/25/89-10/01/91	2	8	
FRSP0112	No	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/90-11/04/98	7	30	
FRSP0110	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	05/03/88-12/01/94	6	132	
FRSP0018	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	05/03/88-06/15/88	0	10	
FRSP0023	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	02/21/91-12/01/94	3	105	
FRSP0033	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	8	241	
FRSP0104	No	00096	SALINITY AT 25 DEGREES C (MG/ML)	03/26/70-01/13/71	0	22	
FRSP0003	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	0	26	

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Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0004	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	0	26	
FRSP0005	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	0	26	
FRSP0006	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	0	26	
FRSP0060	Yes	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	0	25	
FRSP0061	Yes	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	0	26	
FRSP0074	No	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	0	25	
FRSP0075	Yes	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	0	25	
FRSP0076	Yes	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	12/17/93-11/18/94	0	17	
FRSP0077	Yes	00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	0	22	
FRSP0009	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/23/96-04/23/96	0	1	
FRSP0010	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	10	188	
FRSP0013	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/14/92-11/23/98	6	28	
FRSP0014	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/21/86-04/04/86	0	2	
FRSP0018	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-06/15/88	0	6	
FRSP0022	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/30/92-11/23/98	6	29	
FRSP0023	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	7	160	
FRSP0024	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/21/86-04/04/86	0	2	
FRSP0027	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/30/92-11/23/98	6	29	
FRSP0033	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	12	399	A
FRSP0043	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/24/94-11/23/98	4	25	
FRSP0048	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/17/98	7	63	
FRSP0049	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/09/90-12/05/90	0	2	
FRSP0055	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/96-07/23/96	0	1	
FRSP0057	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/22/92-12/17/98	6	63	
FRSP0070	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/20/96-08/20/96	0	1	
FRSP0071	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/91-12/16/98	7	80	
FRSP0084	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/31/92-10/21/98	6	20	
FRSP0107	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/24/92-11/04/98	6	24	
FRSP0112	No	00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/91-11/04/98	7	25	
FRSP0002	No	00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/06/75	7	47	
FRSP0008	No	00300	OXYGEN, DISSOLVED MG/L	07/02/68-06/13/79	10	65	
FRSP0010	No	00300	OXYGEN, DISSOLVED MG/L	06/24/76-09/29/87	11	64	
FRSP0012	No	00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/06/75	7	45	
FRSP0015	No	00300	OXYGEN, DISSOLVED MG/L	07/02/68-08/28/74	6	37	
FRSP0017	No	00300	OXYGEN, DISSOLVED MG/L	06/06/85-04/17/90	4	2	
FRSP0018	No	00300	OXYGEN, DISSOLVED MG/L	09/26/74-06/13/79	4	27	
FRSP0019	No	00300	OXYGEN, DISSOLVED MG/L	04/17/90-02/26/91	0	2	
FRSP0020	No	00300	OXYGEN, DISSOLVED MG/L	02/25/75-03/27/91	16	46	
FRSP0021	No	00300	OXYGEN, DISSOLVED MG/L	12/16/74-07/27/78	3	7	
FRSP0022	No	00300	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	23	234	T,A
FRSP0023	No	00300	OXYGEN, DISSOLVED MG/L	05/11/76-06/13/79	3	18	
FRSP0025	No	00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	9	93	
FRSP0026	No	00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	19	149	
FRSP0027	No	00300	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	17	164	A
FRSP0028	No	00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	9	73	
FRSP0029	Yes	00300	OXYGEN, DISSOLVED MG/L	09/25/95-12/01/95	0	2	
FRSP0031	Yes	00300	OXYGEN, DISSOLVED MG/L	09/22/95-02/15/96	0	4	
FRSP0032	No	00300	OXYGEN, DISSOLVED MG/L	02/12/70-06/25/70	0	5	
FRSP0033	No	00300	OXYGEN, DISSOLVED MG/L	07/21/86-12/23/96	10	52	
FRSP0035	Yes	00300	OXYGEN, DISSOLVED MG/L	09/25/95-12/01/95	0	2	
FRSP0036	No	00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	7	68	
FRSP0040	No	00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	10	87	
FRSP0042	No	00300	OXYGEN, DISSOLVED MG/L	06/08/77-06/08/77	0	1	
FRSP0043	No	00300	OXYGEN, DISSOLVED MG/L	03/06/84-03/06/84	0	1	
FRSP0045	No	00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	16	346	
FRSP0048	No	00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	23	117	
FRSP0049	No	00300	OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	19	82	
FRSP0052	No	00300	OXYGEN, DISSOLVED MG/L	06/08/77-06/08/77	0	1	
FRSP0055	No	00300	OXYGEN, DISSOLVED MG/L	08/14/91-08/14/91	0	1	
FRSP0058	No	00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	17	69	
FRSP0062	Yes	00300	OXYGEN, DISSOLVED MG/L	10/23/95-12/04/95	0	2	
FRSP0065	No	00300	OXYGEN, DISSOLVED MG/L	07/29/87-08/22/90	3	28	
FRSP0066	No	00300	OXYGEN, DISSOLVED MG/L	10/05/76-10/05/76	0	1	
FRSP0072	No	00300	OXYGEN, DISSOLVED MG/L	06/03/76-06/04/79	3	17	
FRSP0078	No	00300	OXYGEN, DISSOLVED MG/L	01/14/93-02/15/96	3	35	
FRSP0080	No	00300	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	17	175	A
FRSP0081	No	00300	OXYGEN, DISSOLVED MG/L	06/28/76-10/05/76	0	2	
FRSP0083	No	00300	OXYGEN, DISSOLVED MG/L	09/03/75-09/03/75	0	1	
FRSP0084	No	00300	OXYGEN, DISSOLVED MG/L	12/27/90-06/27/91	0	3	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0085	No	00300	OXYGEN, DISSOLVED MG/L	08/19/91-08/19/91	0	1	
FRSP0086	No	00300	OXYGEN, DISSOLVED MG/L	07/24/89-10/01/91	2	8	
FRSP0087	No	00300	OXYGEN, DISSOLVED MG/L	09/03/75-05/22/91	15	2	
FRSP0088	No	00300	OXYGEN, DISSOLVED MG/L	01/20/93-10/27/95	2	34	
FRSP0089	No	00300	OXYGEN, DISSOLVED MG/L	01/20/93-04/11/96	3	34	
FRSP0090	No	00300	OXYGEN, DISSOLVED MG/L	08/20/91-08/20/91	0	1	
FRSP0092	Yes	00300	OXYGEN, DISSOLVED MG/L	01/20/93-04/25/96	3	32	
FRSP0093	Yes	00300	OXYGEN, DISSOLVED MG/L	01/20/93-08/28/95	2	26	
FRSP0094	Yes	00300	OXYGEN, DISSOLVED MG/L	01/20/93-04/11/96	3	39	
FRSP0095	Yes	00300	OXYGEN, DISSOLVED MG/L	05/22/91-05/22/91	0	1	
FRSP0097	No	00300	OXYGEN, DISSOLVED MG/L	07/24/89-10/01/91	2	9	
FRSP0098	No	00300	OXYGEN, DISSOLVED MG/L	09/03/75-09/03/75	0	1	
FRSP0101	No	00300	OXYGEN, DISSOLVED MG/L	07/24/89-03/30/91	1	6	
FRSP0102	No	00300	OXYGEN, DISSOLVED MG/L	09/03/75-09/03/75	0	1	
FRSP0103	No	00300	OXYGEN, DISSOLVED MG/L	09/03/75-03/10/81	5	3	
FRSP0104	No	00300	OXYGEN, DISSOLVED MG/L	03/26/70-01/13/71	0	20	
FRSP0105	No	00300	OXYGEN, DISSOLVED MG/L	08/20/91-08/20/91	0	1	
FRSP0106	No	00300	OXYGEN, DISSOLVED MG/L	07/24/89-10/01/91	2	9	
FRSP0107	No	00300	OXYGEN, DISSOLVED MG/L	09/09/74-12/19/91	17	62	
FRSP0108	No	00300	OXYGEN, DISSOLVED MG/L	01/29/76-01/29/76	0	1	
FRSP0110	No	00300	OXYGEN, DISSOLVED MG/L	07/26/89-10/01/91	2	7	
FRSP0111	No	00300	OXYGEN, DISSOLVED MG/L	07/25/89-10/01/91	2	8	
FRSP0112	No	00300	OXYGEN, DISSOLVED MG/L	05/27/76-11/12/91	15	22	
FRSP0048	No	00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/13/68-09/13/68	0	1	
FRSP0002	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/69-07/16/74	5	6	
FRSP0008	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/69-07/16/74	5	6	
FRSP0010	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	22	193	T
FRSP0012	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/69-09/03/70	1	6	
FRSP0013	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/17/92-11/23/98	6	29	
FRSP0015	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/69-09/03/70	1	6	
FRSP0017	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/06/85-04/17/90	4	2	
FRSP0018	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/29/75-06/13/79	4	27	
FRSP0019	No	00310	BOD, 5 DAY, 20 DEG C MG/L	04/17/90-02/26/91	0	2	
FRSP0020	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/08/79-03/27/91	12		
FRSP0021	No	00310	BOD, 5 DAY, 20 DEG C MG/L	12/16/74-07/27/78	3	7	
FRSP0022	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	30	205	T,A,S
FRSP0023	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	22	124	
FRSP0025	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	7	82	
FRSP0026	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-02/18/88	19	94	
FRSP0027	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	19	142	
FRSP0028	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-09/02/77	8	11	
FRSP0032	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/14/70-05/14/70	0	1	
FRSP0033	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/10/88-03/15/94	6	105	
FRSP0036	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-02/23/76	7	13	
FRSP0040	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-03/18/71	2	12	
FRSP0042	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/08/77-06/08/77	0	1	
FRSP0043	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/06/84-11/23/98	14	26	
FRSP0045	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/16/88-08/28/90	2	97	
FRSP0048	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	29	126	S
FRSP0049	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/13/90-06/10/91	0	9	
FRSP0052	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/08/77-06/08/77	0	1	
FRSP0055	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/14/91-07/23/96	4	2	
FRSP0057	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/23/96-07/23/96	0	1	
FRSP0058	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/17/74-08/22/90	16	30	
FRSP0063	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	00310	BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	11	88	
FRSP0066	No	00310	BOD, 5 DAY, 20 DEG C MG/L	10/05/76-10/05/76	0	1	
FRSP0070	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/20/96-08/20/96	0	1	
FRSP0071	No	00310	BOD, 5 DAY, 20 DEG C MG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	22	216	T,A
FRSP0081	No	00310	BOD, 5 DAY, 20 DEG C MG/L	06/28/76-10/05/76	0	2	
FRSP0083	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/03/75-09/03/75	0	1	
FRSP0084	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/27/91-10/21/98	7	22	
FRSP0087	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00310	BOD, 5 DAY, 20 DEG C MG/L	05/22/91-05/22/91	0	1	
FRSP0098	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/03/75-09/03/75	0	1	
FRSP0102	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/03/75-09/03/75	0	1	
FRSP0103	No	00310	BOD, 5 DAY, 20 DEG C MG/L	09/03/75-03/10/81	5	3	
FRSP0104	No	00310	BOD, 5 DAY, 20 DEG C MG/L	03/26/70-01/13/71	0	20	
FRSP0107	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/12/76-11/04/98	22	61	
FRSP0108	No	00310	BOD, 5 DAY, 20 DEG C MG/L	01/29/76-01/29/76	0	1	
FRSP0112	No	00310	BOD, 5 DAY, 20 DEG C MG/L	05/23/77-11/04/98	21	31	

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Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0033	No	00335	COD, .025N K2CR207 MG/L	01/10/88-01/03/90	1	69	
FRSP0045	No	00335	COD, .025N K2CR207 MG/L	10/13/89-10/13/89	0	1	
FRSP0010	No	00340	COD, .25N K2CR207 MG/L	07/25/79-12/10/98	19	121	
FRSP0013	No	00340	COD, .25N K2CR207 MG/L	03/17/92-11/23/98	6	26	
FRSP0017	No	00340	COD, .25N K2CR207 MG/L	06/06/85-04/17/90	4	2	
FRSP0019	No	00340	COD, .25N K2CR207 MG/L	04/17/90-02/26/91	0	2	
FRSP0020	No	00340	COD, .25N K2CR207 MG/L	12/27/90-03/27/91	0	2	
FRSP0021	No	00340	COD, .25N K2CR207 MG/L	12/16/74-07/27/78	3	7	
FRSP0022	No	00340	COD, .25N K2CR207 MG/L	10/22/74-11/23/98	24	151	T
FRSP0023	No	00340	COD, .25N K2CR207 MG/L	03/21/91-12/10/98	7	57	
FRSP0025	No	00340	COD, .25N K2CR207 MG/L	07/30/79-06/17/87	7	82	
FRSP0026	No	00340	COD, .25N K2CR207 MG/L	07/25/79-02/18/88	8	57	
FRSP0027	No	00340	COD, .25N K2CR207 MG/L	07/03/79-11/23/98	19	142	
FRSP0033	No	00340	COD, .25N K2CR207 MG/L	01/16/90-12/20/90	0	35	
FRSP0042	No	00340	COD, .25N K2CR207 MG/L	06/08/77-06/08/77	0	1	
FRSP0043	No	00340	COD, .25N K2CR207 MG/L	03/06/84-11/23/98	14	24	
FRSP0045	No	00340	COD, .25N K2CR207 MG/L	10/02/89-12/20/90	1	40	
FRSP0048	No	00340	COD, .25N K2CR207 MG/L	05/22/79-12/17/98	19	71	
FRSP0049	No	00340	COD, .25N K2CR207 MG/L	09/13/90-06/10/91	0	10	
FRSP0052	No	00340	COD, .25N K2CR207 MG/L	06/08/77-06/08/77	0	1	
FRSP0055	No	00340	COD, .25N K2CR207 MG/L	07/23/96-07/23/96	0	1	
FRSP0057	No	00340	COD, .25N K2CR207 MG/L	07/23/96-07/23/96	0	1	
FRSP0058	No	00340	COD, .25N K2CR207 MG/L	07/29/87-08/22/90	3	29	
FRSP0063	No	00340	COD, .25N K2CR207 MG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	00340	COD, .25N K2CR207 MG/L	07/29/87-12/17/98	11	84	
FRSP0066	No	00340	COD, .25N K2CR207 MG/L	10/05/76-10/05/76	0	1	
FRSP0070	No	00340	COD, .25N K2CR207 MG/L	08/20/96-08/20/96	0	1	
FRSP0071	No	00340	COD, .25N K2CR207 MG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	00340	COD, .25N K2CR207 MG/L	07/30/79-12/16/98	19	206	A
FRSP0081	No	00340	COD, .25N K2CR207 MG/L	06/28/76-10/05/76	0	2	
FRSP0083	No	00340	COD, .25N K2CR207 MG/L	09/03/75-09/03/75	0	1	
FRSP0084	No	00340	COD, .25N K2CR207 MG/L	12/27/90-01/27/98	7	20	
FRSP0087	No	00340	COD, .25N K2CR207 MG/L	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00340	COD, .25N K2CR207 MG/L	05/22/91-05/22/91	0	1	
FRSP0098	No	00340	COD, .25N K2CR207 MG/L	09/03/75-09/03/75	0	1	
FRSP0102	No	00340	COD, .25N K2CR207 MG/L	09/03/75-09/03/75	0	1	
FRSP0103	No	00340	COD, .25N K2CR207 MG/L	09/03/75-03/10/81	5	3	
FRSP0107	No	00340	COD, .25N K2CR207 MG/L	07/09/87-11/04/98	11	60	
FRSP0108	No	00340	COD, .25N K2CR207 MG/L	01/29/76-01/29/76	0	1	
FRSP0112	No	00340	COD, .25N K2CR207 MG/L	12/19/90-11/04/98	7	29	
FRSP0002	No	00400	PH (STANDARD UNITS)	07/02/68-10/06/75	7	46	
FRSP0008	No	00400	PH (STANDARD UNITS)	07/02/68-06/13/79	10	65	
FRSP0009	No	00400	PH (STANDARD UNITS)	04/23/96-04/23/96	0	1	
FRSP0010	No	00400	PH (STANDARD UNITS)	05/11/76-12/10/98	22	223	T
FRSP0012	No	00400	PH (STANDARD UNITS)	07/02/68-10/06/75	7	43	
FRSP0013	No	00400	PH (STANDARD UNITS)	05/14/92-11/23/98	6	27	
FRSP0015	No	00400	PH (STANDARD UNITS)	07/02/68-08/28/74	6	37	
FRSP0017	No	00400	PH (STANDARD UNITS)	06/06/85-06/06/85	0	1	
FRSP0018	No	00400	PH (STANDARD UNITS)	09/26/74-06/01/88	13	29	
FRSP0019	No	00400	PH (STANDARD UNITS)	02/26/91-02/26/91	0	1	
FRSP0020	No	00400	PH (STANDARD UNITS)	02/25/75-03/27/91	16	46	
FRSP0021	No	00400	PH (STANDARD UNITS)	12/16/74-07/27/78	3	7	
FRSP0022	No	00400	PH (STANDARD UNITS)	08/06/68-11/23/98	30	258	T,A,S
FRSP0023	No	00400	PH (STANDARD UNITS)	06/24/76-12/10/98	22	154	
FRSP0025	No	00400	PH (STANDARD UNITS)	03/07/78-06/17/87	9	93	
FRSP0026	No	00400	PH (STANDARD UNITS)	07/01/68-02/18/88	19	151	
FRSP0027	No	00400	PH (STANDARD UNITS)	09/03/74-11/23/98	24	190	T,A
FRSP0028	No	00400	PH (STANDARD UNITS)	08/06/68-01/27/78	9	73	
FRSP0032	No	00400	PH (STANDARD UNITS)	02/12/70-05/29/70	0	4	
FRSP0033	No	00400	PH (STANDARD UNITS)	07/21/86-12/10/98	12	441	A
FRSP0036	No	00400	PH (STANDARD UNITS)	07/01/68-02/23/76	7	68	
FRSP0040	No	00400	PH (STANDARD UNITS)	07/01/68-06/04/79	10	87	
FRSP0043	No	00400	PH (STANDARD UNITS)	03/06/84-11/23/98	14	26	
FRSP0045	No	00400	PH (STANDARD UNITS)	10/04/67-04/28/94	26	574	T,A,S
FRSP0048	No	00400	PH (STANDARD UNITS)	07/02/68-12/17/98	30	181	T,S
FRSP0049	No	00400	PH (STANDARD UNITS)	05/12/72-06/10/91	19	86	
FRSP0055	No	00400	PH (STANDARD UNITS)	08/14/91-07/23/96	4	2	
FRSP0057	No	00400	PH (STANDARD UNITS)	07/23/96-07/23/96	0	1	
FRSP0058	No	00400	PH (STANDARD UNITS)	04/09/73-08/22/90	17	68	
FRSP0063	No	00400	PH (STANDARD UNITS)	08/20/96-08/20/96	0	1	
FRSP0065	No	00400	PH (STANDARD UNITS)	07/29/87-12/17/98	11	88	
FRSP0066	No	00400	PH (STANDARD UNITS)	10/05/76-10/05/76	0	1	

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Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0070	No	00400	PH (STANDARD UNITS)	08/20/96-08/20/96	0	1	
FRSP0071	No	00400	PH (STANDARD UNITS)	08/20/96-08/20/96	0	1	
FRSP0072	No	00400	PH (STANDARD UNITS)	06/03/76-06/04/79	3	17	
FRSP0080	No	00400	PH (STANDARD UNITS)	09/16/74-12/16/98	24	248	T,A
FRSP0081	No	00400	PH (STANDARD UNITS)	06/28/76-10/05/76	0	2	
FRSP0083	No	00400	PH (STANDARD UNITS)	09/03/75-09/03/75	0	1	
FRSP0084	No	00400	PH (STANDARD UNITS)	12/27/90-10/21/98	7	23	
FRSP0085	No	00400	PH (STANDARD UNITS)	08/19/91-08/19/91	0	1	
FRSP0086	No	00400	PH (STANDARD UNITS)	07/24/89-10/01/91	2	8	
FRSP0087	No	00400	PH (STANDARD UNITS)	09/03/75-05/22/91	15	2	
FRSP0090	No	00400	PH (STANDARD UNITS)	08/20/91-08/20/91	0	1	
FRSP0095	Yes	00400	PH (STANDARD UNITS)	05/22/91-05/22/91	0	1	
FRSP0097	No	00400	PH (STANDARD UNITS)	07/24/89-10/01/91	2	9	
FRSP0098	No	00400	PH (STANDARD UNITS)	09/03/75-09/03/75	0	1	
FRSP0101	No	00400	PH (STANDARD UNITS)	07/24/89-03/30/91	1	6	
FRSP0102	No	00400	PH (STANDARD UNITS)	09/03/75-09/03/75	0	1	
FRSP0103	No	00400	PH (STANDARD UNITS)	09/03/75-03/10/81	5	3	
FRSP0105	No	00400	PH (STANDARD UNITS)	08/20/91-08/20/91	0	1	
FRSP0106	No	00400	PH (STANDARD UNITS)	07/24/89-10/01/91	2	9	
FRSP0107	No	00400	PH (STANDARD UNITS)	09/09/74-11/04/98	24	82	
FRSP0108	No	00400	PH (STANDARD UNITS)	01/29/76-01/29/76	0	1	
FRSP0109	No	00400	PH (STANDARD UNITS)	09/01/77-09/01/77	0	1	
FRSP0110	No	00400	PH (STANDARD UNITS)	07/26/89-10/01/91	2	7	
FRSP0111	No	00400	PH (STANDARD UNITS)	09/06/89-10/01/91	2	7	
FRSP0112	No	00400	PH (STANDARD UNITS)	05/27/76-11/04/98	22	47	
FRSP0002	No	00403	PH, LAB, STANDARD UNITS SU	03/31/69-05/27/70	1	4	
FRSP0003	No	00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	0	26	
FRSP0004	No	00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	0	26	
FRSP0005	No	00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	0	26	
FRSP0006	No	00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	0	26	
FRSP0008	No	00403	PH, LAB, STANDARD UNITS SU	03/31/69-05/27/70	1	5	
FRSP0010	No	00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	12	131	
FRSP0012	No	00403	PH, LAB, STANDARD UNITS SU	03/31/69-09/03/70	1	6	
FRSP0013	No	00403	PH, LAB, STANDARD UNITS SU	03/17/92-11/23/98	6	29	
FRSP0014	No	00403	PH, LAB, STANDARD UNITS SU	03/21/86-04/04/86	0	2	
FRSP0015	No	00403	PH, LAB, STANDARD UNITS SU	03/31/69-09/03/70	1	6	
FRSP0017	No	00403	PH, LAB, STANDARD UNITS SU	06/06/85-04/17/90	4	2	
FRSP0018	No	00403	PH, LAB, STANDARD UNITS SU	05/29/75-05/29/75	0	1	
FRSP0019	No	00403	PH, LAB, STANDARD UNITS SU	04/17/90-02/26/91	0	2	
FRSP0020	No	00403	PH, LAB, STANDARD UNITS SU	12/27/90-03/27/91	0	2	
FRSP0021	No	00403	PH, LAB, STANDARD UNITS SU	12/16/74-09/21/76	1	3	
FRSP0022	No	00403	PH, LAB, STANDARD UNITS SU	10/08/68-11/23/98	30	86	S
FRSP0023	No	00403	PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	7	101	
FRSP0024	No	00403	PH, LAB, STANDARD UNITS SU	03/21/86-04/04/86	0	2	
FRSP0025	No	00403	PH, LAB, STANDARD UNITS SU	02/23/83-06/17/87	4	10	
FRSP0026	No	00403	PH, LAB, STANDARD UNITS SU	10/08/68-02/18/88	19	22	
FRSP0027	No	00403	PH, LAB, STANDARD UNITS SU	07/26/83-11/23/98	15	79	
FRSP0028	No	00403	PH, LAB, STANDARD UNITS SU	10/08/68-05/31/70	1	9	
FRSP0033	No	00403	PH, LAB, STANDARD UNITS SU	02/21/89-03/15/94	5	80	
FRSP0036	No	00403	PH, LAB, STANDARD UNITS SU	10/08/68-05/31/70	1	8	
FRSP0040	No	00403	PH, LAB, STANDARD UNITS SU	10/08/68-09/02/70	1	9	
FRSP0042	No	00403	PH, LAB, STANDARD UNITS SU	06/08/77-06/08/77	0	1	
FRSP0043	No	00403	PH, LAB, STANDARD UNITS SU	03/06/84-11/23/98	14	25	
FRSP0045	No	00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	12	118	
FRSP0048	No	00403	PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	29	85	S
FRSP0049	No	00403	PH, LAB, STANDARD UNITS SU	09/13/90-06/10/91	0	10	
FRSP0052	No	00403	PH, LAB, STANDARD UNITS SU	06/08/77-06/08/77	0	1	
FRSP0055	No	00403	PH, LAB, STANDARD UNITS SU	08/14/91-07/23/96	4	2	
FRSP0057	No	00403	PH, LAB, STANDARD UNITS SU	07/23/96-07/23/96	0	1	
FRSP0058	No	00403	PH, LAB, STANDARD UNITS SU	07/29/87-08/22/90	3	29	
FRSP0060	Yes	00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	0	26	
FRSP0061	Yes	00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	0	26	
FRSP0063	No	00403	PH, LAB, STANDARD UNITS SU	08/20/96-08/20/96	0	1	
FRSP0065	No	00403	PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	11	90	
FRSP0066	No	00403	PH, LAB, STANDARD UNITS SU	10/05/76-10/05/76	0	1	
FRSP0070	No	00403	PH, LAB, STANDARD UNITS SU	08/20/96-08/20/96	0	1	
FRSP0071	No	00403	PH, LAB, STANDARD UNITS SU	08/20/96-08/20/96	0	1	
FRSP0074	No	00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	0	25	
FRSP0075	Yes	00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	0	25	
FRSP0076	Yes	00403	PH, LAB, STANDARD UNITS SU	12/17/93-11/18/94	0	17	
FRSP0077	Yes	00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	0	22	
FRSP0080	No	00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	12	135	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0081	No	00403	PH, LAB, STANDARD UNITS SU	10/05/76-10/05/76	0	1	
FRSP0083	No	00403	PH, LAB, STANDARD UNITS SU	09/03/75-09/03/75	0	1	
FRSP0084	No	00403	PH, LAB, STANDARD UNITS SU	12/27/90-10/21/98	7	23	
FRSP0086	No	00403	PH, LAB, STANDARD UNITS SU	07/24/89-03/30/91	1	3	
FRSP0087	No	00403	PH, LAB, STANDARD UNITS SU	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00403	PH, LAB, STANDARD UNITS SU	05/22/91-05/22/91	0	1	
FRSP0097	No	00403	PH, LAB, STANDARD UNITS SU	07/24/89-03/30/91	1	3	
FRSP0098	No	00403	PH, LAB, STANDARD UNITS SU	09/03/75-09/03/75	0	1	
FRSP0101	No	00403	PH, LAB, STANDARD UNITS SU	07/24/89-03/30/91	1	3	
FRSP0102	No	00403	PH, LAB, STANDARD UNITS SU	09/03/75-09/03/75	0	1	
FRSP0103	No	00403	PH, LAB, STANDARD UNITS SU	09/03/75-03/10/81	5	3	
FRSP0106	No	00403	PH, LAB, STANDARD UNITS SU	07/25/89-03/30/91	1	3	
FRSP0107	No	00403	PH, LAB, STANDARD UNITS SU	07/09/87-11/04/98	11	60	
FRSP0111	No	00403	PH, LAB, STANDARD UNITS SU	07/25/89-03/30/91	1	3	
FRSP0112	No	00403	PH, LAB, STANDARD UNITS SU	12/19/90-11/04/98	7	30	
FRSP0045	No	00405	CARBON DIOXIDE (MG/L AS CO ₂)	10/02/72-05/23/79	6	47	
FRSP0029	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/25/95-12/01/95	0	2	
FRSP0031	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/22/95-02/15/96	0	4	
FRSP0035	Yes	00406	PH, FIELD, STANDARD UNITS SU	09/25/95-12/01/95	0	2	
FRSP0062	Yes	00406	PH, FIELD, STANDARD UNITS SU	10/23/95-12/04/95	0	2	
FRSP0078	No	00406	PH, FIELD, STANDARD UNITS SU	01/14/93-03/21/96	3	36	
FRSP0088	No	00406	PH, FIELD, STANDARD UNITS SU	01/20/93-10/27/95	2	36	
FRSP0089	No	00406	PH, FIELD, STANDARD UNITS SU	01/20/93-04/04/96	3	37	
FRSP0092	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/20/93-04/25/96	3	32	
FRSP0093	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/20/93-08/28/95	2	25	
FRSP0094	Yes	00406	PH, FIELD, STANDARD UNITS SU	01/20/93-04/18/96	3	37	
FRSP0014	No	00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS UEQ/L	03/21/86-04/04/86	0	2	
FRSP0024	No	00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS UEQ/L	03/21/86-04/04/86	0	2	
FRSP0002	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	03/31/69-05/27/70	1	5	
FRSP0008	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	03/31/69-05/27/70	1	5	
FRSP0010	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	05/19/86-12/10/98	12	131	
FRSP0012	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	03/31/69-09/03/70	1	6	
FRSP0013	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	03/17/92-11/23/98	6	29	
FRSP0015	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	03/31/69-09/03/70	1	6	
FRSP0017	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	06/06/85-04/17/90	4	2	
FRSP0018	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	05/29/75-05/29/75	0	1	
FRSP0019	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	04/17/90-02/26/91	0	2	
FRSP0020	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	12/27/90-03/27/91	0	2	
FRSP0021	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	12/16/74-09/21/76	1	3	
FRSP0022	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	10/08/68-11/23/98	30	85	S
FRSP0023	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	02/21/91-12/10/98	7	99	
FRSP0025	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	02/23/83-06/17/87	4	10	
FRSP0026	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	10/08/68-02/18/88	19	21	
FRSP0027	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	07/26/83-11/23/98	15	79	
FRSP0028	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	10/08/68-05/07/70	1	8	
FRSP0032	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	07/30/70-07/30/70	0	1	
FRSP0033	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	02/21/89-03/15/94	5	82	
FRSP0036	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	10/08/68-05/07/70	1	7	
FRSP0040	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	10/08/68-05/07/70	1	8	
FRSP0042	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	06/08/77-06/08/77	0	1	
FRSP0043	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	03/06/84-11/23/98	14	26	T
FRSP0045	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	10/04/67-08/28/90	22	307	S
FRSP0048	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	06/03/69-12/17/98	29	85	
FRSP0049	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	09/13/90-06/10/91	0	10	
FRSP0052	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	06/08/77-06/08/77	0	1	
FRSP0055	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	08/14/91-07/23/96	4	2	
FRSP0057	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	07/23/96-07/23/96	0	1	
FRSP0058	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	07/29/87-08/22/90	3	29	
FRSP0063	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	08/20/96-08/20/96	0	1	
FRSP0065	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	07/29/87-12/17/98	11	89	
FRSP0066	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	10/05/76-10/05/76	0	1	
FRSP0070	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	08/20/96-08/20/96	0	1	
FRSP0071	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	08/20/96-08/20/96	0	1	
FRSP0080	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	03/19/86-12/16/98	12	135	
FRSP0081	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	10/05/76-10/05/76	0	1	
FRSP0083	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	09/03/75-09/03/75	0	1	
FRSP0084	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	12/27/90-10/21/98	7	23	
FRSP0087	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	05/22/91-05/22/91	0	1	
FRSP0098	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	09/03/75-09/03/75	0	1	
FRSP0102	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	09/03/75-09/03/75	0	1	
FRSP0103	No	00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	09/03/75-03/10/81	5	3	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0107	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/87-11/04/98	11	60	
FRSP0109	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/01/77-09/01/77	0	1	
FRSP0112	No	00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/19/90-11/04/98	7	30	
FRSP0114	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/21/86-04/04/86	0	2	
FRSP0024	No	00440	BICARBONATE ION (MG/L AS HCO3)	03/21/86-04/04/86	0	2	
FRSP0045	No	00440	BICARBONATE ION (MG/L AS HCO3)	10/04/67-04/25/78	10	232	
FRSP0045	No	00445	CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	10	228	
FRSP0045	No	00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/20/87-04/28/94	6	35	
FRSP0045	No	00453	BICARBONATE,WATER,DISS,INCR TIT, FIELD, AS HCO3, MG/L	11/20/87-04/28/94	6	35	
FRSP0008	No	00480	SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	0	1	
FRSP0010	No	00480	SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	0	1	
FRSP0018	No	00480	SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	0	1	
FRSP0023	No	00480	SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	0	1	
FRSP0026	No	00480	SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	0	1	
FRSP0080	No	00480	SALINITY - PARTS PER THOUSAND	02/27/91-02/27/91	0	1	
FRSP0002	No	00500	RESIDUE, TOTAL (MG/L)	03/31/69-09/13/71	2	6	
FRSP0008	No	00500	RESIDUE, TOTAL (MG/L)	03/31/69-09/13/71	2	6	
FRSP0010	No	00500	RESIDUE, TOTAL (MG/L)	07/25/79-12/10/98	19	44	
FRSP0012	No	00500	RESIDUE, TOTAL (MG/L)	03/31/69-09/13/71	2	6	
FRSP0013	No	00500	RESIDUE, TOTAL (MG/L)	03/17/92-11/23/98	6	29	
FRSP0015	No	00500	RESIDUE, TOTAL (MG/L)	03/31/69-09/13/71	2	6	
FRSP0017	No	00500	RESIDUE, TOTAL (MG/L)	06/06/85-06/06/85	0	1	
FRSP0018	No	00500	RESIDUE, TOTAL (MG/L)	06/19/75-07/28/75	0	3	
FRSP0019	No	00500	RESIDUE, TOTAL (MG/L)	02/26/91-02/26/91	0	1	
FRSP0020	No	00500	RESIDUE, TOTAL (MG/L)	08/19/76-03/27/91	14	3	
FRSP0021	No	00500	RESIDUE, TOTAL (MG/L)	12/16/74-07/27/78	3	7	
FRSP0022	No	00500	RESIDUE, TOTAL (MG/L)	10/08/68-11/23/98	30	72	S
FRSP0023	No	00500	RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	6	40	
FRSP0025	No	00500	RESIDUE, TOTAL (MG/L)	07/30/79-10/29/79	0	4	
FRSP0026	No	00500	RESIDUE, TOTAL (MG/L)	10/08/68-10/23/79	11	29	
FRSP0027	No	00500	RESIDUE, TOTAL (MG/L)	07/03/79-11/23/98	19	58	
FRSP0028	No	00500	RESIDUE, TOTAL (MG/L)	10/08/68-11/25/70	2	9	
FRSP0036	No	00500	RESIDUE, TOTAL (MG/L)	10/08/68-11/25/70	2	8	
FRSP0040	No	00500	RESIDUE, TOTAL (MG/L)	10/08/68-05/07/70	1	8	
FRSP0042	No	00500	RESIDUE, TOTAL (MG/L)	06/08/77-06/08/77	0	1	
FRSP0043	No	00500	RESIDUE, TOTAL (MG/L)	03/06/84-11/23/98	14	26	
FRSP0048	No	00500	RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	29	89	S
FRSP0049	No	00500	RESIDUE, TOTAL (MG/L)	08/19/76-06/10/91	14	11	
FRSP0052	No	00500	RESIDUE, TOTAL (MG/L)	06/08/77-06/08/77	0	1	
FRSP0055	No	00500	RESIDUE, TOTAL (MG/L)	08/14/91-07/23/96	4	2	
FRSP0057	No	00500	RESIDUE, TOTAL (MG/L)	07/23/96-07/23/96	0	1	
FRSP0058	No	00500	RESIDUE, TOTAL (MG/L)	11/28/88-08/22/90	1	16	
FRSP0063	No	00500	RESIDUE, TOTAL (MG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	00500	RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	10	77	
FRSP0066	No	00500	RESIDUE, TOTAL (MG/L)	10/05/76-10/05/76	0	1	
FRSP0070	No	00500	RESIDUE, TOTAL (MG/L)	08/20/96-08/20/96	0	1	
FRSP0071	No	00500	RESIDUE, TOTAL (MG/L)	08/20/96-08/20/96	0	1	
FRSP0080	No	00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	19	114	
FRSP0081	No	00500	RESIDUE, TOTAL (MG/L)	06/28/76-10/05/76	0	2	
FRSP0084	No	00500	RESIDUE, TOTAL (MG/L)	12/27/90-10/21/98	7	23	
FRSP0087	No	00500	RESIDUE, TOTAL (MG/L)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00500	RESIDUE, TOTAL (MG/L)	05/22/91-05/22/91	0	1	
FRSP0098	No	00500	RESIDUE, TOTAL (MG/L)	09/03/75-09/03/75	0	1	
FRSP0102	No	00500	RESIDUE, TOTAL (MG/L)	09/03/75-09/03/75	0	1	
FRSP0103	No	00500	RESIDUE, TOTAL (MG/L)	09/03/75-03/10/81	5	3	
FRSP0107	No	00500	RESIDUE, TOTAL (MG/L)	12/07/88-11/04/98	9	46	
FRSP0108	No	00500	RESIDUE, TOTAL (MG/L)	01/29/76-01/29/76	0	1	
FRSP0112	No	00500	RESIDUE, TOTAL (MG/L)	12/19/90-11/04/98	7	30	
FRSP0002	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0008	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0010	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/25/79-12/10/98	19	44	
FRSP0012	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0013	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/17/92-11/23/98	6	29	
FRSP0015	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0017	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/06/85-06/06/85	0	1	
FRSP0018	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/19/75-07/28/75	0	3	
FRSP0019	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/26/91-02/26/91	0	1	
FRSP0020	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/19/76-03/27/91	14	3	
FRSP0021	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/16/74-07/27/78	3	7	
FRSP0022	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/23/98	30	72	
FRSP0023	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	6	40	
FRSP0025	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-10/29/79	0	4	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0026	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-10/23/79	11	29	
FRSP0027	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/03/79-11/23/98	19	58	
FRSP0028	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/25/70	2	9	
FRSP0036	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/25/70	2	8	
FRSP0040	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-05/07/70	1	8	
FRSP0042	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0043	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/06/84-11/23/98	14	26	
FRSP0048	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	29	89	S
FRSP0049	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/19/76-06/10/91	14	11	
FRSP0052	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0055	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/14/91-07/23/96	4	2	
FRSP0057	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/23/96-07/23/96	0	1	
FRSP0058	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-08/22/90	1	16	
FRSP0063	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	10	77	
FRSP0066	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/05/76-10/05/76	0	1	
FRSP0070	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0071	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0080	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	19	113	
FRSP0081	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/28/76-10/05/76	0	2	
FRSP0084	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/27/90-10/21/98	7	23	
FRSP0087	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/22/91-05/22/91	0	1	
FRSP0098	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0102	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0103	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	09/03/75-03/10/81	5	3	
FRSP0107	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/07/88-11/04/98	9	45	
FRSP0108	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/29/76-01/29/76	0	1	
FRSP0112	No	00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/19/90-11/04/98	7	29	
FRSP0002	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/31/69-09/13/71	2	6	
FRSP0008	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/31/69-09/13/71	2	6	
FRSP0010	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/25/79-12/10/98	19	44	
FRSP0012	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/31/69-09/13/71	2	6	
FRSP0013	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/17/92-11/23/98	6	29	
FRSP0015	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/31/69-09/13/71	2	6	
FRSP0017	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/06/85-06/06/85	0	1	
FRSP0018	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/19/75-07/28/75	0	3	
FRSP0019	No	00510	RESIDUE, TOTAL FIXED (MG/L)	02/26/91-02/26/91	0	1	
FRSP0020	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/19/76-03/27/91	14	3	
FRSP0021	No	00510	RESIDUE, TOTAL FIXED (MG/L)	12/16/74-07/27/78	3	7	
FRSP0022	No	00510	RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/23/98	30	72	S
FRSP0023	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	6	40	
FRSP0025	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-10/29/79	0	4	
FRSP0026	No	00510	RESIDUE, TOTAL FIXED (MG/L)	10/08/68-10/23/79	11	29	
FRSP0027	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/03/79-11/23/98	19	58	
FRSP0028	No	00510	RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/25/70	2	9	
FRSP0036	No	00510	RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/25/70	2	8	
FRSP0040	No	00510	RESIDUE, TOTAL FIXED (MG/L)	10/08/68-05/07/70	1	8	
FRSP0042	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/08/77-06/08/77	0	1	
FRSP0043	No	00510	RESIDUE, TOTAL FIXED (MG/L)	03/06/84-11/23/98	14	26	
FRSP0048	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	29	89	S
FRSP0049	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/19/76-06/10/91	14	11	
FRSP0052	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/08/77-06/08/77	0	1	
FRSP0055	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/14/91-07/23/96	4	2	
FRSP0057	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/23/96-07/23/96	0	1	
FRSP0058	No	00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-08/22/90	1	16	
FRSP0063	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	10	77	
FRSP0066	No	00510	RESIDUE, TOTAL FIXED (MG/L)	10/05/76-10/05/76	0	1	
FRSP0070	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/20/96-08/20/96	0	1	
FRSP0071	No	00510	RESIDUE, TOTAL FIXED (MG/L)	08/20/96-08/20/96	0	1	
FRSP0080	No	00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	19	114	
FRSP0081	No	00510	RESIDUE, TOTAL FIXED (MG/L)	06/28/76-10/05/76	0	2	
FRSP0084	No	00510	RESIDUE, TOTAL FIXED (MG/L)	12/27/90-10/21/98	7	23	
FRSP0087	No	00510	RESIDUE, TOTAL FIXED (MG/L)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00510	RESIDUE, TOTAL FIXED (MG/L)	05/22/91-05/22/91	0	1	
FRSP0098	No	00510	RESIDUE, TOTAL FIXED (MG/L)	09/03/75-09/03/75	0	1	
FRSP0102	No	00510	RESIDUE, TOTAL FIXED (MG/L)	09/03/75-09/03/75	0	1	
FRSP0103	No	00510	RESIDUE, TOTAL FIXED (MG/L)	09/03/75-03/10/81	5	3	
FRSP0107	No	00510	RESIDUE, TOTAL FIXED (MG/L)	12/07/88-11/04/98	9	45	
FRSP0108	No	00510	RESIDUE, TOTAL FIXED (MG/L)	01/29/76-01/29/76	0	1	
FRSP0112	No	00510	RESIDUE, TOTAL FIXED (MG/L)	12/19/90-11/04/98	7	29	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0017	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/17/90-04/17/90	0	1	
FRSP0019	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/17/90-02/26/91	0	2	
FRSP0026	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/29/77-06/29/77	0	1	
FRSP0032	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/30/70-07/30/70	0	1	
FRSP0033	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/26/98-10/26/98	0	1	
FRSP0043	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	03/24/94-03/24/94	0	1	
FRSP0080	No	00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/21/98-05/21/98	0	1	
FRSP0002	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0008	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0010	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	22	240	T
FRSP0012	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0013	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/17/92-11/23/98	6	29	
FRSP0015	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0017	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/06/85-04/17/90	4	2	
FRSP0018	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/15/88	12	30	
FRSP0019	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/90-02/26/91	0	2	
FRSP0020	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/27/90-03/27/91	0	2	
FRSP0021	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/16/74-07/27/78	3	7	
FRSP0022	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	29	204	T,A,S
FRSP0023	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	22	165	
FRSP0025	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	7	82	
FRSP0026	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-02/18/88	19	87	
FRSP0027	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	19	144	
FRSP0028	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-11/25/70	2	9	
FRSP0032	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/70-07/30/70	0	1	
FRSP0033	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	10	423	
FRSP0036	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-11/25/70	2	8	
FRSP0040	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-05/07/70	1	8	
FRSP0042	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0043	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/06/84-11/23/98	14	26	
FRSP0045	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/88-02/01/94	5	256	
FRSP0048	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	29	125	S
FRSP0049	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/13/90-06/10/91	0	10	
FRSP0052	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0055	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/91-07/23/96	4	2	
FRSP0057	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/23/96-07/23/96	0	1	
FRSP0058	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-08/22/90	3	29	
FRSP0063	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	11	89	
FRSP0066	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/05/76-10/05/76	0	1	
FRSP0070	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0071	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0080	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	22	218	T,A
FRSP0081	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/76-10/05/76	0	2	
FRSP0084	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/27/90-10/21/98	7	23	
FRSP0087	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/22/91-05/22/91	0	1	
FRSP0098	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0102	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0103	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/03/75-03/10/81	5	3	
FRSP0107	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/87-11/04/98	11	60	
FRSP0108	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/29/76-01/29/76	0	1	
FRSP0112	No	00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/19/90-11/04/98	7	30	
FRSP0002	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0008	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	5	
FRSP0010	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	22	241	T
FRSP0012	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0013	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/17/92-11/23/98	6	29	
FRSP0015	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	5	
FRSP0017	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/06/85-04/17/90	4	2	
FRSP0018	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/19/75-06/15/88	12	29	
FRSP0019	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/17/90-02/26/91	0	2	
FRSP0020	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/27/90-03/27/91	0	2	
FRSP0021	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/16/74-07/27/78	3	7	
FRSP0022	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	30	205	T,A,S
FRSP0023	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	22	165	
FRSP0025	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	7	82	
FRSP0026	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-02/18/88	19	87	
FRSP0027	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	19	144	
FRSP0028	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/25/70	2	9	
FRSP0033	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	10	423	
FRSP0036	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/25/70	2	8	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0040	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-05/07/70	1	8	
FRSP0042	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0043	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/06/84-11/23/98	14	26	
FRSP0045	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/88-02/01/94	5	255	
FRSP0048	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	29	125	S
FRSP0049	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/13/90-06/10/91	0	10	
FRSP0052	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0055	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/14/91-07/23/96	4	2	
FRSP0057	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/23/96-07/23/96	0	1	
FRSP0058	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-08/22/90	3	29	
FRSP0063	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	11	90	
FRSP0066	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/05/76-10/05/76	0	1	
FRSP0070	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0071	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0080	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	22	218	T,A
FRSP0081	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/28/76-10/05/76	0	2	
FRSP0084	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/27/90-10/21/98	7	23	
FRSP0087	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/22/91-05/22/91	0	1	
FRSP0098	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0102	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0103	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/03/75-03/10/81	5	3	
FRSP0107	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/09/87-11/04/98	11	60	
FRSP0108	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/29/76-01/29/76	0	1	
FRSP0112	No	00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/19/90-11/04/98	7	29	
FRSP0002	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0008	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0010	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	22	241	T
FRSP0012	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0013	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/17/92-11/23/98	6	29	
FRSP0015	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/31/69-09/13/71	2	6	
FRSP0017	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/06/85-04/17/90	4	2	
FRSP0018	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/19/75-06/15/88	12	30	
FRSP0019	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/17/90-02/26/91	0	2	
FRSP0020	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/27/90-03/27/91	0	2	
FRSP0021	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/16/74-07/27/78	3	7	
FRSP0022	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	29	202	T,A,S
FRSP0023	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	22	165	
FRSP0025	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	7	82	
FRSP0026	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-02/18/88	19	87	
FRSP0027	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	19	144	
FRSP0028	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-11/25/70	2	9	
FRSP0033	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	10	423	
FRSP0036	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-11/25/70	2	8	
FRSP0040	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-05/07/70	1	8	
FRSP0042	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0043	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/06/84-11/23/98	14	26	
FRSP0045	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/16/88-02/01/94	5	231	
FRSP0048	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	29	125	S
FRSP0049	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/13/90-06/10/91	0	10	
FRSP0052	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/08/77-06/08/77	0	1	
FRSP0055	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/14/91-07/23/96	4	2	
FRSP0057	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/23/96-07/23/96	0	1	
FRSP0058	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-08/22/90	3	29	
FRSP0063	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	11	89	
FRSP0066	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/05/76-10/05/76	0	1	
FRSP0070	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0071	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/20/96-08/20/96	0	1	
FRSP0080	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	22	218	T,A
FRSP0081	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/28/76-10/05/76	0	2	
FRSP0084	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/27/90-10/21/98	7	23	
FRSP0087	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/22/91-05/22/91	0	1	
FRSP0098	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0102	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/03/75-09/03/75	0	1	
FRSP0103	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/03/75-03/10/81	5	3	
FRSP0107	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/09/87-11/04/98	11	60	
FRSP0108	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/29/76-01/29/76	0	1	
FRSP0112	No	00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/19/90-11/04/98	7	29	
FRSP0080	No	00545	RESIDUE, SETTLEABLE (ML/L)	03/28/83-03/28/83	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0045	No	00600	NITROGEN, TOTAL (MG/L AS N)	01/31/78-05/08/81	3	25	
FRSP0033	No	00601	NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	02/20/96-06/21/96	0	21	
FRSP0033	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	02/20/96-06/21/96	0	22	
FRSP0045	No	00602	NITROGEN, DISSOLVED (MG/L AS N)	10/05/79-05/08/81	1	12	
FRSP0045	No	00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/31/78-05/08/81	3	25	
FRSP0045	No	00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/05/79-05/08/81	1	12	
FRSP0010	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	6	137	
FRSP0018	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-06/15/88	0	6	
FRSP0023	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	3	105	
FRSP0033	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	12	456	A
FRSP0045	No	00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	14	329	
FRSP0001	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0002	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/70-10/06/75	5	36	
FRSP0007	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0008	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/70-06/13/79	9	57	
FRSP0010	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	22	103	
FRSP0011	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0012	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/70-10/06/75	5	36	
FRSP0013	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/92-11/23/98	6	29	
FRSP0015	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/70-08/28/74	4	28	
FRSP0016	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/70-08/28/70	0	1	
FRSP0017	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/85-04/17/90	4	2	
FRSP0018	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/26/74-06/13/79	4	26	
FRSP0019	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/17/90-02/26/91	0	2	
FRSP0020	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/06/75-03/27/91	15	44	
FRSP0021	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/16/74-07/27/78	3	7	
FRSP0022	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	28	248	T,A,S
FRSP0023	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	22	61	
FRSP0025	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	9	87	
FRSP0026	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	18	134	
FRSP0027	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	24	188	T,A
FRSP0028	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	7	67	
FRSP0033	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/94-08/08/94	0	4	
FRSP0036	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	5	58	
FRSP0040	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-06/04/79	9	52	
FRSP0042	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0043	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/06/84-11/23/98	14	26	
FRSP0045	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/30/77-02/26/92	14	67	
FRSP0047	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/12/69-08/11/70	1	51	
FRSP0048	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	28	154	T,S
FRSP0049	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	19	82	
FRSP0052	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0055	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/14/91-07/23/96	4	3	
FRSP0057	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/23/96-07/23/96	0	1	
FRSP0058	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/09/73-08/22/90	17	65	
FRSP0063	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0065	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	11	89	
FRSP0066	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/05/76-10/05/76	0	1	
FRSP0070	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0071	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0072	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/03/76-06/04/79	3	17	
FRSP0080	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	24	255	T,A
FRSP0081	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/76-10/05/76	0	2	
FRSP0083	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0084	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/27/90-10/21/98	7	24	
FRSP0086	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0087	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/22/91-05/22/91	0	1	
FRSP0097	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0098	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0101	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0102	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0103	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-03/10/81	5	3	
FRSP0104	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/70-01/13/71	0	22	
FRSP0106	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/25/89-03/30/91	1	3	
FRSP0107	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/09/74-11/04/98	24	90	
FRSP0108	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/76-01/29/76	0	1	
FRSP0111	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/25/89-03/30/91	1	3	
FRSP0112	No	00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/76-11/04/98	22	48	
FRSP0010	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	6	137	
FRSP0018	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-06/15/88	0	6	
FRSP0023	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	3	106	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0033	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	12	455	A
FRSP0045	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	19	307	
FRSP0107	No	00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/09/90-08/09/90	0	1	
FRSP0002	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/13/70-10/06/75	5	37	
FRSP0008	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/13/70-06/13/79	9	58	
FRSP0010	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	22	102	
FRSP0012	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/13/70-10/06/75	5	37	
FRSP0013	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	6	29	
FRSP0015	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/13/70-08/28/74	4	29	
FRSP0017	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/06/85-04/17/90	4	2	
FRSP0018	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/26/74-06/13/79	4	27	
FRSP0019	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/17/90-02/26/91	0	2	
FRSP0020	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/06/75-03/27/91	15	44	
FRSP0021	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/16/74-07/27/78	3	7	
FRSP0022	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	28	248	T,A,S
FRSP0023	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	22	61	
FRSP0025	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	9	88	
FRSP0026	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	18	134	
FRSP0027	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	24	190	T,A
FRSP0028	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	7	68	
FRSP0033	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/25/92-07/08/94	1	2	
FRSP0036	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	5	59	
FRSP0040	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-06/04/79	9	52	
FRSP0042	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0043	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/06/84-11/23/98	14	26	
FRSP0045	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	11/15/90-08/26/92	1	11	
FRSP0048	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	28	153	
FRSP0049	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	19	82	
FRSP0052	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0055	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/14/91-07/23/96	4	3	
FRSP0057	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/23/96-07/23/96	0	1	
FRSP0058	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/09/73-08/22/90	17	64	
FRSP0063	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0065	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	11	90	
FRSP0066	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/05/76-10/05/76	0	1	
FRSP0070	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0071	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0072	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/03/76-06/04/79	3	17	
FRSP0080	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	24	255	T,A
FRSP0081	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/76-10/05/76	0	2	
FRSP0083	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0084	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/27/90-10/21/98	7	24	
FRSP0086	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	0	1	
FRSP0087	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/22/91-05/22/91	0	1	
FRSP0097	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	0	1	
FRSP0098	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0101	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	0	1	
FRSP0102	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0103	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-03/10/81	5	3	
FRSP0106	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	0	1	
FRSP0107	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/09/74-11/04/98	24	90	
FRSP0108	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/29/76-01/29/76	0	1	
FRSP0111	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	0	1	
FRSP0112	No	00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/27/76-11/04/98	22	48	
FRSP0010	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	6	137	
FRSP0018	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-06/15/88	0	6	
FRSP0023	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	3	106	
FRSP0032	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/30/70-07/30/70	0	1	
FRSP0033	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	12	457	A
FRSP0045	No	00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	22	308	T
FRSP0002	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/70-10/06/75	5	37	
FRSP0008	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/70-09/23/76	6	44	
FRSP0010	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	19	84	
FRSP0012	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/70-10/06/75	5	37	
FRSP0013	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	6	29	
FRSP0015	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/70-08/28/74	4	29	
FRSP0017	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/06/85-04/17/90	4	2	
FRSP0018	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/26/74-09/23/76	1	12	
FRSP0019	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/17/90-02/26/91	0	2	
FRSP0020	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/06/75-03/27/91	15	18	
FRSP0021	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/16/74-07/27/78	3	7	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0022	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	28	217	T,A,S
FRSP0023	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	22	44	
FRSP0025	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	7	80	
FRSP0026	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	18	120	
FRSP0027	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	24	160	T
FRSP0028	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	6	61	
FRSP0033	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/94-07/08/94	0	1	
FRSP0036	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	5	59	
FRSP0040	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-08/26/76	6	37	
FRSP0042	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0043	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/06/84-11/23/98	14	26	
FRSP0048	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	28	128	S
FRSP0049	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	19	56	
FRSP0052	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0055	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/14/91-07/23/96	4	3	
FRSP0057	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/23/96-07/23/96	0	1	
FRSP0058	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/09/73-08/22/90	17	51	
FRSP0063	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0065	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	11	90	
FRSP0066	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/05/76-10/05/76	0	1	
FRSP0070	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0071	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0080	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	24	226	T,A
FRSP0081	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/76-10/05/76	0	2	
FRSP0083	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0084	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/27/90-10/21/98	7	24	
FRSP0087	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/22/91-05/22/91	0	1	
FRSP0098	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0102	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0103	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-03/10/81	5	3	
FRSP0107	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/09/74-11/04/98	24	77	
FRSP0108	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/29/76-01/29/76	0	1	
FRSP0112	No	00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/19/90-11/04/98	7	29	
FRSP0045	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	12/30/77-08/27/91	13	27	
FRSP0047	No	00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/12/69-04/20/70	0	36	
FRSP0045	No	00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	01/31/78-05/08/81	3	25	
FRSP0001	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0002	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-10/06/75	5	37	
FRSP0007	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/70-07/29/70	0	1	
FRSP0008	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-06/13/79	9	57	
FRSP0010	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	22	216	T
FRSP0011	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0012	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-10/06/75	5	37	
FRSP0013	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/17/92-11/23/98	6	29	
FRSP0015	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-08/28/74	4	29	
FRSP0016	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/70-08/28/70	0	1	
FRSP0017	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/85-04/17/90	4	2	
FRSP0018	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/26/74-06/15/88	13	32	
FRSP0019	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/17/90-02/26/91	0	2	
FRSP0020	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/06/75-03/27/91	15	44	
FRSP0021	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/16/74-07/27/78	3	7	
FRSP0022	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	28	243	T,A,S
FRSP0023	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	22	145	
FRSP0025	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	9	84	
FRSP0026	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	18	133	
FRSP0027	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	24	187	T,A
FRSP0028	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	7	68	
FRSP0032	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/12/70-06/25/70	0	5	
FRSP0033	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	8	357	
FRSP0036	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	5	59	
FRSP0040	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-06/04/79	9	52	
FRSP0042	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0043	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/06/84-11/23/98	14	26	
FRSP0045	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	16	341	
FRSP0047	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/12/69-08/11/70	1	54	
FRSP0048	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	28	153	T,S
FRSP0049	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	19	82	
FRSP0052	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/08/77-06/08/77	0	1	
FRSP0055	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/14/91-07/23/96	4	3	
FRSP0057	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/23/96-07/23/96	0	1	
FRSP0058	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/09/73-08/22/90	17	65	

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Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0063	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0065	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	11	90	
FRSP0066	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/05/76-10/05/76	0	1	
FRSP0070	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0071	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/96-08/20/96	0	1	
FRSP0072	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/03/76-06/04/79	3	17	
FRSP0080	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	24	252	T,A
FRSP0081	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/28/76-10/05/76	0	2	
FRSP0083	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0084	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/27/90-10/21/98	7	24	
FRSP0086	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0087	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/22/91-05/22/91	0	1	
FRSP0097	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0098	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0101	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0102	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/75-09/03/75	0	1	
FRSP0103	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/75-03/10/81	5	3	
FRSP0104	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/70-01/13/71	0	18	
FRSP0106	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/89-03/30/91	1	3	
FRSP0107	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/09/74-11/04/98	24	90	
FRSP0108	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/76-01/29/76	0	1	
FRSP0111	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/89-03/30/91	1	3	
FRSP0112	No	00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/27/76-11/04/98	22	48	
FRSP0001	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0007	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0008	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/12/76-06/13/79	2	14	
FRSP0010	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/11/76-06/13/79	3	19	
FRSP0011	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/70-08/28/70	0	2	
FRSP0016	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/70-08/28/70	0	1	
FRSP0018	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/12/76-06/13/79	2	15	
FRSP0020	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/26/76-06/27/79	2	26	
FRSP0022	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/27/76-08/23/79	2	29	
FRSP0023	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/11/76-06/13/79	3	17	
FRSP0025	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/07/78-05/01/79	1	8	
FRSP0026	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/12/76-05/08/79	2	13	
FRSP0027	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/27/76-06/04/79	2	29	
FRSP0028	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/17/76-01/27/78	1	7	
FRSP0040	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/27/76-06/04/79	2	15	
FRSP0045	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/30/77-08/26/92	14	37	
FRSP0047	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/12/69-08/11/70	1	50	
FRSP0048	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/26/76-06/27/79	2	26	
FRSP0049	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/26/76-06/27/79	2	26	
FRSP0058	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/11/76-05/22/79	2	11	
FRSP0072	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/03/76-06/04/79	3	17	
FRSP0080	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/27/76-06/04/79	2	29	
FRSP0086	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0097	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0101	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/89-03/30/91	1	3	
FRSP0104	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/26/70-01/13/71	0	22	
FRSP0106	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/25/89-03/30/91	1	3	
FRSP0107	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/03/76-05/03/79	2	14	
FRSP0111	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/25/89-03/30/91	1	3	
FRSP0112	No	00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/27/76-05/03/79	2	19	
FRSP0033	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/21/96-12/23/96	0	47	
FRSP0045	No	00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	19	335	
FRSP0045	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/04/67-06/25/79	11	161	
FRSP0047	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	06/12/69-08/11/70	1	55	
FRSP0104	No	00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/26/70-01/13/71	0	18	
FRSP0047	No	00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	06/12/69-08/11/70	1	51	
FRSP0001	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/29/70-08/28/70	0	2	
FRSP0007	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/29/70-08/28/70	0	2	
FRSP0011	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/29/70-08/28/70	0	2	
FRSP0016	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/28/70-08/28/70	0	1	
FRSP0032	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	02/12/70-06/25/70	0	5	
FRSP0045	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/01/73-03/14/83	9	28	
FRSP0047	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	06/12/69-08/11/70	1	54	
FRSP0104	No	00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/26/70-01/13/71	0	22	
FRSP0003	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0004	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0005	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0006	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	25	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0010	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	19	198	
FRSP0013	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/17/92-11/23/98	6	29	
FRSP0017	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/06/85-04/17/90	4	2	
FRSP0018	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/03/88-06/15/88	0	6	
FRSP0019	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/90-02/26/91	0	2	
FRSP0020	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/27/90-03/27/91	0	2	
FRSP0021	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/16/74-07/27/78	3	7	
FRSP0022	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	20	142	
FRSP0023	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	7	125	
FRSP0025	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	7	76	
FRSP0026	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-02/18/88	8	54	
FRSP0027	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	19	137	
FRSP0033	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	8	359	
FRSP0042	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/77-06/08/77	0	1	
FRSP0043	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/06/84-11/23/98	14	26	
FRSP0045	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	16	342	
FRSP0048	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	8	78	
FRSP0049	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-08/12/91	0	11	
FRSP0052	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/77-06/08/77	0	1	
FRSP0055	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/91-07/23/96	4	3	
FRSP0057	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/23/96-07/23/96	0	1	
FRSP0058	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-08/22/90	3	27	
FRSP0060	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0061	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0063	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/96-08/20/96	0	1	
FRSP0065	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	11	90	
FRSP0066	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/05/76-10/05/76	0	1	
FRSP0070	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/96-08/20/96	0	1	
FRSP0071	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/96-08/20/96	0	1	
FRSP0074	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	24	
FRSP0075	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	24	
FRSP0076	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/17/93-11/18/94	0	17	
FRSP0077	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	0	21	
FRSP0080	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	19	203	A
FRSP0081	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/28/76-10/05/76	0	2	
FRSP0083	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-09/03/75	0	1	
FRSP0084	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/27/90-10/21/98	7	24	
FRSP0086	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/89-03/30/91	1	3	
FRSP0087	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/22/91-05/22/91	0	1	
FRSP0097	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/89-03/30/91	1	3	
FRSP0098	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-09/03/75	0	1	
FRSP0101	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/89-03/30/91	1	3	
FRSP0102	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-09/03/75	0	1	
FRSP0103	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-03/10/81	5	3	
FRSP0106	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/89-03/30/91	1	3	
FRSP0107	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/87-11/04/98	11	62	
FRSP0108	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/29/76-01/29/76	0	1	
FRSP0111	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/89-03/30/91	1	3	
FRSP0112	No	00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/19/90-11/04/98	7	29	
FRSP0003	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0004	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0005	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0006	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0010	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	6	125	
FRSP0014	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/86-04/04/86	0	2	
FRSP0018	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-06/15/88	0	6	
FRSP0023	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	02/21/91-12/01/94	3	94	
FRSP0024	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/86-04/04/86	0	2	
FRSP0033	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	12	393	A
FRSP0045	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	16	271	
FRSP0060	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0061	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	25	
FRSP0074	No	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	24	
FRSP0075	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	24	
FRSP0076	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/17/93-11/18/94	0	17	
FRSP0077	Yes	00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	0	21	
FRSP0033	No	00667	PHOSPHORUS, SUSPENDED (MG/L AS P)	02/20/96-06/21/96	0	22	
FRSP0010	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	15	180	
FRSP0013	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/17/92-03/17/92	0	1	
FRSP0017	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/06/85-04/17/90	4	2	
FRSP0018	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/03/88-06/15/88	0	6	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0019	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/17/90-02/26/91	0	2	
FRSP0020	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/27/90-03/27/91	0	2	
FRSP0021	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/16/74-07/27/78	3	7	
FRSP0022	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	13	111	
FRSP0023	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/21/91-12/01/94	3	106	
FRSP0025	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	7	80	
FRSP0026	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-02/18/88	8	55	
FRSP0027	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	12	110	
FRSP0033	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	12	458	A
FRSP0042	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/08/77-06/08/77	0	1	
FRSP0043	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/06/84-03/06/84	0	1	
FRSP0045	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	20	337	
FRSP0048	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/90-04/23/92	1	18	
FRSP0049	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/90-08/12/91	0	11	
FRSP0052	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/08/77-06/08/77	0	1	
FRSP0058	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/29/87-08/22/90	3	27	
FRSP0065	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/29/87-03/17/92	4	31	
FRSP0066	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/05/76-10/05/76	0	1	
FRSP0080	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	12	133	
FRSP0081	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/28/76-10/05/76	0	2	
FRSP0083	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-09/03/75	0	1	
FRSP0084	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/27/90-03/31/92	1	5	
FRSP0087	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/22/91-05/22/91	0	1	
FRSP0098	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-09/03/75	0	1	
FRSP0102	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-09/03/75	0	1	
FRSP0103	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-03/10/81	5	3	
FRSP0107	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/09/87-03/23/92	4	38	
FRSP0108	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/29/76-01/29/76	0	1	
FRSP0112	No	00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/19/90-12/19/91	1	5	
FRSP0027	No	00674	PHOSPHORUS, SUSPENDED ORTHOPHOSPHATE (MG/L AS P)	02/28/91-02/28/91	0	1	
FRSP0001	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/70-08/28/70	0	2	
FRSP0007	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/70-08/28/70	0	2	
FRSP0010	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	20	193	
FRSP0011	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/70-08/28/70	0	2	
FRSP0013	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/92-07/01/96	4	19	
FRSP0016	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/28/70-08/28/70	0	1	
FRSP0017	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/08/85-04/17/90	4	2	
FRSP0018	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/75-06/15/88	13	32	
FRSP0019	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/17/90-02/26/91	0	2	
FRSP0020	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/27/90-03/27/91	0	2	
FRSP0021	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/10/75-07/27/78	3	6	
FRSP0022	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	21	179	
FRSP0023	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	20	123	
FRSP0025	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	7	81	
FRSP0026	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/75-08/27/87	12	77	
FRSP0027	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	16	129	
FRSP0033	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	8	313	
FRSP0036	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/09/75-02/23/76	0	3	
FRSP0042	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/08/77-06/08/77	0	1	
FRSP0043	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/06/84-07/01/96	12	16	
FRSP0045	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	16	293	
FRSP0047	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/18/69-08/11/70	1	34	
FRSP0048	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	21	102	
FRSP0049	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/13/90-06/10/91	0	10	
FRSP0052	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/08/77-06/08/77	0	1	
FRSP0055	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/96-07/23/96	0	1	
FRSP0057	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/96-07/23/96	0	1	
FRSP0058	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/87-08/22/90	3	24	
FRSP0063	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/96-08/20/96	0	1	
FRSP0065	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/87-09/03/96	9	68	
FRSP0066	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/05/76-10/05/76	0	1	
FRSP0070	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/96-08/20/96	0	1	
FRSP0071	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/96-08/20/96	0	1	
FRSP0080	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	20	183	A
FRSP0081	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/28/76-10/05/76	0	2	
FRSP0083	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-09/03/75	0	1	
FRSP0084	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/27/90-06/20/96	5	16	
FRSP0086	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/24/89-03/30/91	1	3	
FRSP0087	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/22/91-05/22/91	0	1	
FRSP0097	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/24/89-03/30/91	1	3	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0098	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-09/03/75	0	1	
FRSP0101	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/24/89-03/30/91	1	3	
FRSP0102	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-09/03/75	0	1	
FRSP0103	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-03/10/81	5	3	
FRSP0104	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/08/70-11/19/70	0	14	
FRSP0106	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/25/89-03/30/91	1	3	
FRSP0107	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/09/87-06/27/96	8	45	
FRSP0108	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/29/76-01/29/76	0	1	
FRSP0111	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/25/89-03/30/91	1	3	
FRSP0112	No	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/19/90-06/27/96	5	21	
FRSP0114	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/21/86-04/04/86	0	2	
FRSP0024	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/21/86-04/04/86	0	2	
FRSP0045	No	00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/30/77-01/04/94	16	8	
FRSP0045	No	00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/30/77-03/09/81	3	7	
FRSP0001	No	00690	CARBON, TOTAL (MG/L AS C)	07/29/70-07/29/70	0	1	
FRSP0007	No	00690	CARBON, TOTAL (MG/L AS C)	07/29/70-07/29/70	0	1	
FRSP0011	No	00690	CARBON, TOTAL (MG/L AS C)	07/29/70-07/29/70	0	1	
FRSP0047	No	00690	CARBON, TOTAL (MG/L AS C)	01/06/70-08/11/70	0	15	
FRSP0104	No	00690	CARBON, TOTAL (MG/L AS C)	05/21/70-05/21/70	0	1	
FRSP0014	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	03/21/86-04/04/86	0	2	
FRSP0024	No	00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	03/21/86-04/04/86	0	2	
FRSP0033	No	00694	CARBON, SUSPENDED TOTAL (MG/L AS C)	02/20/96-06/21/96	0	21	
FRSP0010	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/27/87-12/10/98	11	61	
FRSP0013	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	03/17/92-11/23/98	6	26	
FRSP0017	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	06/06/85-06/06/85	0	1	
FRSP0018	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	05/08/79-05/08/79	0	1	
FRSP0019	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	04/17/90-02/26/91	0	2	
FRSP0020	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	04/16/79-03/27/91	11	3	
FRSP0022	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	07/22/87-11/23/98	11	66	
FRSP0023	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	04/16/92-12/10/98	6	59	
FRSP0026	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/27/87-02/18/88	0	7	
FRSP0027	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	07/22/87-11/23/98	11	67	
FRSP0032	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	07/30/70-07/30/70	0	1	
FRSP0033	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	12/30/92-03/15/94	1	2	
FRSP0043	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	03/06/84-11/23/98	14	24	
FRSP0045	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	10/04/67-11/05/85	18	264	
FRSP0048	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	04/16/79-12/17/98	19	71	
FRSP0049	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	04/16/79-06/10/91	12	11	
FRSP0055	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	07/23/96-07/23/96	0	1	
FRSP0057	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	07/23/96-07/23/96	0	1	
FRSP0058	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	05/20/77-08/22/90	13	30	
FRSP0063	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/20/96-08/20/96	0	1	
FRSP0065	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	07/29/87-12/17/98	11	84	
FRSP0070	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/20/96-08/20/96	0	1	
FRSP0071	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/20/96-08/20/96	0	1	
FRSP0080	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/06/87-12/16/98	11	123	
FRSP0084	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	12/27/90-01/27/98	7	20	
FRSP0087	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	05/22/91-05/22/91	0	1	
FRSP0107	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	05/23/77-11/04/98	21	61	
FRSP0112	No	00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	05/23/77-11/04/98	21	30	
FRSP0045	No	00902	HARDNESS, NON-CARBONATE (MG/L AS CACO ₃)	10/04/67-05/08/81	13	254	
FRSP0014	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/21/86-04/04/86	0	2	
FRSP0024	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/21/86-04/04/86	0	2	
FRSP0032	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/30/70-07/30/70	0	1	
FRSP0033	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/26/98-10/26/98	0	1	
FRSP0045	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	25	322	T,S
FRSP0065	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/17/98-12/17/98	0	1	
FRSP0086	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/89-03/30/91	1	3	
FRSP0097	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/89-03/30/91	1	3	
FRSP0101	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/89-03/30/91	1	3	
FRSP0106	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/25/89-03/30/91	1	3	
FRSP0111	No	00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/25/89-03/30/91	1	3	
FRSP0014	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/21/86-04/04/86	0	2	
FRSP0024	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/21/86-04/04/86	0	2	
FRSP0032	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/30/70-07/30/70	0	1	
FRSP0033	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/26/98-10/26/98	0	1	
FRSP0045	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	25	322	T,S
FRSP0065	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/17/98-12/17/98	0	1	
FRSP0086	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/89-03/30/91	1	3	
FRSP0097	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/89-03/30/91	1	3	
FRSP0101	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/89-03/30/91	1	3	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0106	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/25/89-03/30/91	1	3	
FRSP0111	No	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/25/89-03/30/91	1	3	
FRSP0080	No	00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/13/78-11/13/78	0	1	
FRSP0014	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/21/86-04/04/86	0	2	
FRSP0024	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	03/21/86-04/04/86	0	2	
FRSP0032	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/30/70-07/30/70	0	1	
FRSP0045	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	25	322	T,S
FRSP0086	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/24/89-03/30/91	1	3	
FRSP0097	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/24/89-03/30/91	1	3	
FRSP0101	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/24/89-03/30/91	1	3	
FRSP0106	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/25/89-03/30/91	1	3	
FRSP0109	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	09/01/77-09/01/77	0	1	
FRSP0111	No	00930	SODIUM, DISSOLVED (MG/L AS NA)	07/25/89-03/30/91	1	3	
FRSP0032	No	00931	SODIUM ADSORPTION RATIO	07/30/70-07/30/70	0	1	
FRSP0045	No	00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	18	264	
FRSP0032	No	00932	SODIUM, PERCENT	07/30/70-07/30/70	0	1	
FRSP0045	No	00932	SODIUM, PERCENT	10/04/67-11/05/85	18	264	
FRSP0045	No	00933	SODIUM,PLUS POTASSIUM (MG/L)	05/23/79-02/20/80	0	6	
FRSP0014	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/21/86-04/04/86	0	2	
FRSP0020	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/16/79-04/16/79	0	1	
FRSP0022	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/10/79-04/10/79	0	1	
FRSP0024	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/21/86-04/04/86	0	2	
FRSP0025	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/13/79-03/13/79	0	1	
FRSP0027	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/10/79-04/10/79	0	1	
FRSP0028	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	11/09/77-11/09/77	0	1	
FRSP0032	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/30/70-07/30/70	0	1	
FRSP0040	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/10/79-04/10/79	0	1	
FRSP0045	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	25	322	T,S
FRSP0048	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/16/79-04/16/79	0	1	
FRSP0049	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/16/79-04/16/79	0	1	
FRSP0072	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/10/79-04/10/79	0	1	
FRSP0080	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/10/79-04/10/79	0	1	
FRSP0086	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/24/89-03/30/91	1	3	
FRSP0097	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/24/89-03/30/91	1	3	
FRSP0101	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/24/89-03/30/91	1	3	
FRSP0106	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/25/89-03/30/91	1	3	
FRSP0111	No	00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/25/89-03/30/91	1	3	
FRSP0010	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/10/94-12/10/98	4	46	
FRSP0013	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/17/92-11/23/98	6	27	
FRSP0017	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/06/85-06/06/85	0	1	
FRSP0018	No	00940	CHLORIDE,TOTAL IN WATER MG/L	05/29/75-05/29/75	0	1	
FRSP0019	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/91-02/26/91	0	1	
FRSP0020	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/27/90-03/27/91	0	2	
FRSP0021	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/16/74-04/10/75	0	2	
FRSP0022	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/22/74-11/23/98	24	51	
FRSP0023	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/10/94-12/10/98	4	46	
FRSP0025	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/26/86-02/26/86	0	1	
FRSP0027	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/12/88-11/23/98	10	52	
FRSP0032	No	00940	CHLORIDE,TOTAL IN WATER MG/L	02/12/70-07/30/70	0	6	
FRSP0043	No	00940	CHLORIDE,TOTAL IN WATER MG/L	03/24/94-11/23/98	4	25	
FRSP0045	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/04/67-08/23/93	25	322	T,S
FRSP0048	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/31/72-12/17/98	26	148	T,S
FRSP0049	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/31/72-06/10/91	18	78	
FRSP0055	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/14/91-07/23/96	4	2	
FRSP0057	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/23/96-07/23/96	0	1	
FRSP0058	No	00940	CHLORIDE,TOTAL IN WATER MG/L	04/09/73-08/22/90	17	54	
FRSP0063	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/24/88-12/17/98	10	78	
FRSP0070	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/20/96-08/20/96	0	1	
FRSP0071	No	00940	CHLORIDE,TOTAL IN WATER MG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	00940	CHLORIDE,TOTAL IN WATER MG/L	10/06/88-12/16/98	10	111	
FRSP0081	No	00940	CHLORIDE,TOTAL IN WATER MG/L	06/28/76-06/28/76	0	1	
FRSP0083	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/03/75-09/03/75	0	1	
FRSP0084	No	00940	CHLORIDE,TOTAL IN WATER MG/L	12/27/90-10/21/98	7	22	
FRSP0086	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/24/89-03/30/91	1	3	
FRSP0087	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/03/75-05/22/91	15	2	
FRSP0095	Yes	00940	CHLORIDE,TOTAL IN WATER MG/L	05/22/91-05/22/91	0	1	
FRSP0097	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/24/89-03/30/91	1	3	
FRSP0098	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/03/75-09/03/75	0	1	
FRSP0101	No	00940	CHLORIDE,TOTAL IN WATER MG/L	07/24/89-03/30/91	1	3	
FRSP0102	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/03/75-09/03/75	0	1	
FRSP0103	No	00940	CHLORIDE,TOTAL IN WATER MG/L	09/03/75-09/03/75	0	2	

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Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0106	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/25/89-03/30/91	1	3	
FRSP0107	No	00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-11/04/98	10	47	
FRSP0108	No	00940	CHLORIDE, TOTAL IN WATER MG/L	01/29/76-01/29/76	0	1	
FRSP0111	No	00940	CHLORIDE, TOTAL IN WATER MG/L	07/25/89-03/30/91	1	3	
FRSP0112	No	00940	CHLORIDE, TOTAL IN WATER MG/L	12/19/90-11/04/98	7	30	
FRSP0014	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/21/86-04/04/86	0	2	
FRSP0024	No	00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/21/86-04/04/86	0	2	
FRSP0002	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/70-10/06/75	5	33	
FRSP0008	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/70-06/13/79	8	55	
FRSP0010	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	21	47	
FRSP0012	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/70-10/06/75	5	32	
FRSP0013	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/17/92-11/23/98	6	27	
FRSP0015	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/70-08/28/74	4	26	
FRSP0017	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/06/85-06/06/85	0	1	
FRSP0018	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/29/75-05/08/79	3	6	
FRSP0019	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/91-02/26/91	0	1	
FRSP0020	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/27/90-03/27/91	0	2	
FRSP0022	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	28	131	S
FRSP0023	No	00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	21	47	
FRSP0026	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-06/13/79	9	64	
FRSP0027	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/14/88-11/23/98	10	51	
FRSP0028	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-01/27/78	7	53	
FRSP0032	No	00945	SULFATE, TOTAL (MG/L AS SO4)	02/12/70-07/30/70	0	6	
FRSP0033	No	00945	SULFATE, TOTAL (MG/L AS SO4)	04/27/92-04/27/92	0	1	
FRSP0036	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/72-10/04/72	0	1	
FRSP0040	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/21/72-09/21/72	0	1	
FRSP0043	No	00945	SULFATE, TOTAL (MG/L AS SO4)	03/24/94-11/23/98	4	25	
FRSP0045	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	25	322	T,S
FRSP0048	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/13/90-12/17/98	8	76	
FRSP0049	No	00945	SULFATE, TOTAL (MG/L AS SO4)	09/13/90-06/10/91	0	10	
FRSP0055	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/14/91-07/23/96	4	2	
FRSP0057	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/23/96-07/23/96	0	1	
FRSP0058	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/24/88-08/22/90	1	15	
FRSP0063	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/20/96-08/20/96	0	1	
FRSP0065	No	00945	SULFATE, TOTAL (MG/L AS SO4)	10/24/88-12/17/98	10	78	
FRSP0070	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/20/96-08/20/96	0	1	
FRSP0071	No	00945	SULFATE, TOTAL (MG/L AS SO4)	08/20/96-08/20/96	0	1	
FRSP0080	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/03/88-12/16/98	10	109	
FRSP0084	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/27/90-10/21/98	7	22	
FRSP0086	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/24/89-03/30/91	1	3	
FRSP0087	No	00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/91-05/22/91	0	1	
FRSP0097	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/24/89-03/30/91	1	3	
FRSP0101	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/24/89-03/30/91	1	3	
FRSP0106	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/25/89-03/30/91	1	3	
FRSP0107	No	00945	SULFATE, TOTAL (MG/L AS SO4)	11/03/88-11/04/98	10	45	
FRSP0111	No	00945	SULFATE, TOTAL (MG/L AS SO4)	07/25/89-03/30/91	1	3	
FRSP0112	No	00945	SULFATE, TOTAL (MG/L AS SO4)	12/19/90-11/04/98	7	30	
FRSP0014	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/21/86-04/04/86	0	2	
FRSP0024	No	00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/21/86-04/04/86	0	2	
FRSP0014	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/21/86-04/04/86	0	2	
FRSP0024	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/21/86-04/04/86	0	2	
FRSP0032	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/30/70-07/30/70	0	1	
FRSP0045	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	25	322	T,S
FRSP0086	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/24/89-03/30/91	1	3	
FRSP0097	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/24/89-03/30/91	1	3	
FRSP0101	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/24/89-03/30/91	1	3	
FRSP0106	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/25/89-03/30/91	1	3	
FRSP0111	No	00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/25/89-03/30/91	1	3	
FRSP0113	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/17/92-02/17/93	0	4	
FRSP0119	No	00951	FLUORIDE, TOTAL (MG/L AS F)	02/26/91-02/26/91	0	1	
FRSP0020	No	00951	FLUORIDE, TOTAL (MG/L AS F)	12/27/90-03/27/91	0	2	
FRSP0022	No	00951	FLUORIDE, TOTAL (MG/L AS F)	11/14/88-02/17/93	4	25	
FRSP0027	No	00951	FLUORIDE, TOTAL (MG/L AS F)	11/14/88-02/17/93	4	27	
FRSP0043	No	00951	FLUORIDE, TOTAL (MG/L AS F)	03/24/94-03/24/94	0	1	
FRSP0048	No	00951	FLUORIDE, TOTAL (MG/L AS F)	09/13/90-04/21/93	2	25	
FRSP0049	No	00951	FLUORIDE, TOTAL (MG/L AS F)	09/13/90-06/10/91	0	10	
FRSP0055	No	00951	FLUORIDE, TOTAL (MG/L AS F)	08/14/91-08/14/91	0	1	
FRSP0058	No	00951	FLUORIDE, TOTAL (MG/L AS F)	10/24/88-08/22/90	1	17	
FRSP0065	No	00951	FLUORIDE, TOTAL (MG/L AS F)	10/24/88-04/21/93	4	28	
FRSP0080	No	00951	FLUORIDE, TOTAL (MG/L AS F)	11/03/88-02/25/93	4	45	
FRSP0084	No	00951	FLUORIDE, TOTAL (MG/L AS F)	12/27/90-12/22/92	1	7	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0087	No	00951	FLUORIDE, TOTAL (MG/L AS F)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	00951	FLUORIDE, TOTAL (MG/L AS F)	05/22/91-05/22/91	0	1	
FRSP0107	No	00951	FLUORIDE, TOTAL (MG/L AS F)	11/03/88-12/14/92	4	25	
FRSP0112	No	00951	FLUORIDE, TOTAL (MG/L AS F)	12/19/90-12/14/92	1	8	
FRSP0010	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/88-12/01/94	6	133	
FRSP0013	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/17/92-11/09/92	0	4	
FRSP0014	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/21/86-04/04/86	0	2	
FRSP0017	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/90-04/17/90	0	1	
FRSP0018	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/88-06/15/88	0	6	
FRSP0019	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/90-02/26/91	0	2	
FRSP0020	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/27/90-03/27/91	0	2	
FRSP0022	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/11/89-02/17/93	3	22	
FRSP0023	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	02/21/91-12/01/94	3	106	
FRSP0024	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	03/21/86-04/04/86	0	2	
FRSP0027	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/11/89-02/17/93	3	24	
FRSP0033	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	10	387	
FRSP0045	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	26	570	T,A,S
FRSP0048	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/13/90-01/20/93	2	29	
FRSP0049	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	09/13/90-08/12/91	0	11	
FRSP0055	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	08/14/91-08/14/91	0	1	
FRSP0058	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/24/89-08/22/90	1	13	
FRSP0065	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/24/89-01/20/93	3	21	
FRSP0080	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/25/89-12/29/92	3	43	
FRSP0084	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/27/90-12/22/92	1	7	
FRSP0086	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/24/89-03/30/91	1	3	
FRSP0087	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/22/91-05/22/91	0	1	
FRSP0097	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/24/89-03/30/91	1	3	
FRSP0101	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/24/89-03/30/91	1	3	
FRSP0106	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/25/89-03/30/91	1	3	
FRSP0107	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	05/25/89-12/14/92	3	20	
FRSP0111	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	07/25/89-03/30/91	1	3	
FRSP0112	No	00955	SILICA, DISSOLVED (MG/L AS SI02)	12/19/90-12/14/92	1	9	
FRSP0032	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/30/70-07/30/70	0	1	
FRSP0033	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	10/26/98-10/26/98	0	1	
FRSP0045	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/30/77-08/27/91	13	49	
FRSP0055	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	07/23/96-07/23/96	0	1	
FRSP0063	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/20/96-08/20/96	0	1	
FRSP0065	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/17/98-12/17/98	0	1	
FRSP0080	No	01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/20/97-05/21/98	1	2	
FRSP0045	No	01001	ARSENIC, SUSPENDED (UG/L AS AS)	12/30/77-07/12/82	4	10	
FRSP0002	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/08/71-10/06/75	4	4	
FRSP0008	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/02/71-05/02/77	5	7	
FRSP0010	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/02/77-07/07/86	9	7	
FRSP0012	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/02/71-10/06/75	4	6	
FRSP0013	No	01002	ARSENIC, TOTAL (UG/L AS AS)	02/17/93-09/15/94	1	2	
FRSP0015	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/02/71-08/01/73	2	5	
FRSP0017	No	01002	ARSENIC, TOTAL (UG/L AS AS)	06/06/85-04/17/90	4	2	
FRSP0018	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/06/75-05/02/77	1	2	
FRSP0019	No	01002	ARSENIC, TOTAL (UG/L AS AS)	02/26/91-02/26/91	0	1	
FRSP0020	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/21/75-04/16/79	3	6	
FRSP0022	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/18/71-09/15/94	23	23	
FRSP0023	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/02/77-05/02/77	0	1	
FRSP0025	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/07/78-07/09/86	8	10	
FRSP0026	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/25/71-07/07/86	15	12	
FRSP0027	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/21/75-09/15/94	18	18	
FRSP0028	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/25/71-03/17/77	5	5	
FRSP0036	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/18/71-10/21/75	4	7	
FRSP0040	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/18/71-04/10/79	8	12	
FRSP0043	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/06/84-07/21/94	10	2	
FRSP0045	No	01002	ARSENIC, TOTAL (UG/L AS AS)	12/30/77-07/12/82	4	12	
FRSP0047	No	01002	ARSENIC, TOTAL (UG/L AS AS)	09/07/78-09/07/78	0	1	
FRSP0048	No	01002	ARSENIC, TOTAL (UG/L AS AS)	04/21/71-07/14/94	23	14	
FRSP0049	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/12/72-06/10/91	19	8	
FRSP0055	No	01002	ARSENIC, TOTAL (UG/L AS AS)	08/14/91-08/14/91	0	2	
FRSP0058	No	01002	ARSENIC, TOTAL (UG/L AS AS)	11/06/78-10/24/89	10	2	
FRSP0065	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/24/89-07/14/94	4	3	
FRSP0072	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/31/77-04/10/79	2	5	
FRSP0080	No	01002	ARSENIC, TOTAL (UG/L AS AS)	10/22/75-07/21/94	18	16	
FRSP0087	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01002	ARSENIC, TOTAL (UG/L AS AS)	05/22/91-05/22/91	0	1	
FRSP0103	No	01002	ARSENIC, TOTAL (UG/L AS AS)	03/10/81-03/10/81	0	1	

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Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0107	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/23/77-09/29/94	17	6	
FRSP0112	No	01002	ARSENIC, TOTAL (UG/L AS AS)	05/23/77-09/29/94	17	6	
FRSP0008	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-07/30/97	20	6	
FRSP0013	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/06/85-04/17/90	4	2	
FRSP0018	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-06/13/84	6	4	
FRSP0027	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0043	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/14/91-07/23/96	4	2	
FRSP0058	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0087	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0103	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0107	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0112	No	01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0080	No	01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	07/16/91-07/16/91	0	3	
FRSP0045	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	12/30/77-08/23/93	15	54	
FRSP0055	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	07/23/96-07/23/96	0	1	
FRSP0063	No	01005	BARIUM, DISSOLVED (UG/L AS BA)	08/20/96-08/20/96	0	1	
FRSP0045	No	01006	BARIUM, SUSPENDED (UG/L AS BA)	12/30/77-07/12/82	4	11	
FRSP0045	No	01007	BARIUM, TOTAL (UG/L AS BA)	12/30/77-07/12/82	4	12	
FRSP0045	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/24/82-08/27/91	8	36	
FRSP0055	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	07/23/96-07/23/96	0	1	
FRSP0063	No	01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/20/96-08/20/96	0	1	
FRSP0010	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/25/83-07/25/83	0	1	
FRSP0013	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/17/93-02/17/93	0	1	
FRSP0017	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/17/90-04/17/90	0	1	
FRSP0019	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/17/90-02/26/91	0	2	
FRSP0022	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/18/83-02/17/93	9	4	
FRSP0025	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/18/83-07/18/83	0	1	
FRSP0026	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/25/83-07/25/83	0	1	
FRSP0027	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/26/83-02/17/93	9	4	
FRSP0047	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	09/07/78-09/07/78	0	1	
FRSP0048	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	06/10/91-03/24/93	1	2	
FRSP0049	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	06/10/91-06/10/91	0	1	
FRSP0065	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	03/24/93-03/24/93	0	1	
FRSP0080	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/18/83-03/25/93	9	3	
FRSP0087	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/22/91-05/22/91	0	1	
FRSP0107	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	11/12/91-03/02/93	1	2	
FRSP0112	No	01012	BERYLLIUM, TOTAL (UG/L AS BE)	11/12/91-03/02/93	1	2	
FRSP0010	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0013	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	04/17/90-04/17/90	0	1	
FRSP0019	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/16/83-06/25/97	14	6	
FRSP0023	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0025	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/16/83-08/19/86	3	3	
FRSP0026	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	06/13/84-06/13/84	0	1	
FRSP0027	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/26/83-08/27/97	14	6	
FRSP0043	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0048	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	07/23/96-07/23/96	0	1	
FRSP0058	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/16/83-04/26/95	11	6	
FRSP0084	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0087	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0107	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	03/16/95-07/01/97	2	2	

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Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0112	No	01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0032	No	01020	BORON, DISSOLVED (UG/L AS B)	07/30/70-07/30/70	0	1	
FRSP0032	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/30/70-07/30/70	0	1	
FRSP0033	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	10/26/98-10/26/98	0	1	
FRSP0045	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/30/77-08/27/91	13	49	
FRSP0055	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	07/23/96-07/23/96	0	1	
FRSP0063	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/20/96-08/20/96	0	1	
FRSP0065	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/17/98-12/17/98	0	1	
FRSP0080	No	01025	CADMIUM, DISSOLVED (UG/L AS CD)	05/20/97-05/21/98	1	2	
FRSP0045	No	01026	CADMIUM, SUSPENDED (UG/L AS CD)	12/30/77-10/15/81	3	9	
FRSP0002	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/08/71-10/06/75	4	7	
FRSP0008	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/08/71-05/02/77	5	9	
FRSP0010	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/77-07/07/86	9	7	
FRSP0012	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/08/71-10/06/75	4	8	
FRSP0013	No	01027	CADMIUM, TOTAL (UG/L AS CD)	02/17/93-09/15/94	1	2	
FRSP0015	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/08/71-08/01/73	1	6	
FRSP0017	No	01027	CADMIUM, TOTAL (UG/L AS CD)	06/06/85-04/17/90	4	2	
FRSP0018	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/29/75-05/02/77	1	3	
FRSP0019	No	01027	CADMIUM, TOTAL (UG/L AS CD)	04/17/90-02/26/91	0	2	
FRSP0020	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/06/75-04/16/79	3	7	
FRSP0022	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-09/15/94	23	27	
FRSP0023	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/77-05/02/77	0	1	
FRSP0025	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/07/78-07/09/86	8	10	
FRSP0026	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-07/07/86	15	16	
FRSP0027	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/06/75-09/15/94	19	19	
FRSP0028	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-03/17/77	6	9	
FRSP0036	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-10/21/75	4	9	
FRSP0040	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-04/10/79	8	14	
FRSP0043	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/06/84-07/21/94	10	2	
FRSP0045	No	01027	CADMIUM, TOTAL (UG/L AS CD)	12/30/77-07/12/82	4	12	
FRSP0047	No	01027	CADMIUM, TOTAL (UG/L AS CD)	09/07/78-09/07/78	0	1	
FRSP0048	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/70-07/14/94	23	17	
FRSP0049	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/12/72-06/10/91	19	10	
FRSP0055	No	01027	CADMIUM, TOTAL (UG/L AS CD)	08/14/91-08/14/91	0	2	
FRSP0058	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/06/74-10/24/89	14	4	
FRSP0065	No	01027	CADMIUM, TOTAL (UG/L AS CD)	10/24/89-07/14/94	4	3	
FRSP0072	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/31/77-04/10/79	2	5	
FRSP0080	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/27/75-07/21/94	19	17	
FRSP0086	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/89-03/30/91	1	3	
FRSP0087	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01027	CADMIUM, TOTAL (UG/L AS CD)	05/22/91-05/22/91	0	1	
FRSP0097	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/89-03/30/91	1	3	
FRSP0101	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/89-03/30/91	1	3	
FRSP0103	No	01027	CADMIUM, TOTAL (UG/L AS CD)	03/10/81-03/10/81	0	1	
FRSP0106	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/25/89-03/30/91	1	3	
FRSP0107	No	01027	CADMIUM, TOTAL (UG/L AS CD)	11/01/74-09/29/94	19	8	
FRSP0111	No	01027	CADMIUM, TOTAL (UG/L AS CD)	07/25/89-03/30/91	1	3	
FRSP0112	No	01027	CADMIUM, TOTAL (UG/L AS CD)	05/23/77-09/29/94	17	6	
FRSP0008	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	20	7	
FRSP0013	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/85-04/17/90	4	2	
FRSP0018	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/13/84	6	4	
FRSP0027	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0043	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/14/91-07/23/96	4	2	
FRSP0058	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0086	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0103	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0106	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0008	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	20	6	
FRSP0013	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/85-04/17/90	4	2	
FRSP0018	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/13/84	6	4	
FRSP0027	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0033	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/16/88-08/16/88	0	1	
FRSP0043	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/14/91-07/23/96	4	2	
FRSP0058	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0086	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0103	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0106	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0033	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	10/26/98-10/26/98	0	1	
FRSP0045	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/30/77-08/27/91	13	49	
FRSP0055	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	07/23/96-07/23/96	0	1	
FRSP0063	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/20/96-08/20/96	0	1	
FRSP0065	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/17/98-12/17/98	0	1	
FRSP0080	No	01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/97-05/21/98	1	2	
FRSP0045	No	01031	CHROMIUM, SUSPEND (UG/L AS CR)	12/30/77-04/28/82	4	7	
FRSP0002	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-10/06/75	5	12	
FRSP0008	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-05/02/77	7	14	
FRSP0010	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/02/77-07/07/86	9	7	
FRSP0012	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-10/06/75	5	13	
FRSP0013	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	02/17/93-09/15/94	1	2	
FRSP0015	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-05/08/74	4	11	
FRSP0017	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/85-04/17/90	4	2	
FRSP0018	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/29/75-05/02/77	1	3	
FRSP0019	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/90-02/26/91	0	2	
FRSP0020	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/75-04/16/79	3	7	
FRSP0022	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-09/15/94	24	34	
FRSP0023	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/02/77-05/02/77	0	1	
FRSP0025	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/07/78-07/09/86	8	10	
FRSP0026	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-07/07/86	16	24	
FRSP0027	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/75-09/15/94	19	19	
FRSP0028	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-03/17/77	6	16	
FRSP0032	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/30/70-07/30/70	0	1	
FRSP0036	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-10/21/75	5	16	
FRSP0040	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-04/10/79	9	22	
FRSP0043	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/06/84-07/21/94	10	2	
FRSP0045	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	12/30/77-07/12/82	4	12	
FRSP0047	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	09/07/78-09/07/78	0	1	
FRSP0048	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/19/70-07/14/94	24	25	
FRSP0049	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/12/72-06/10/91	19	14	
FRSP0055	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	08/14/91-08/14/91	0	2	
FRSP0058	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/17/73-10/24/89	16	7	
FRSP0065	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	10/24/89-07/14/94	4	3	
FRSP0072	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/31/77-04/10/79	2	5	
FRSP0080	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/27/75-07/21/94	19	17	
FRSP0086	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/89-03/30/91	1	3	

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Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0087	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/22/91-05/22/91	0	1	
FRSP0097	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/89-03/30/91	1	3	
FRSP0101	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/89-03/30/91	1	3	
FRSP0103	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	03/10/81-03/10/81	0	1	
FRSP0106	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/25/89-03/30/91	1	3	
FRSP0107	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	11/01/74-09/29/94	19	8	
FRSP0111	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	07/25/89-03/30/91	1	3	
FRSP0112	No	01034	CHROMIUM, TOTAL (UG/L AS CR)	05/23/77-09/29/94	17	6	
FRSP0045	No	01035	COBALT, DISSOLVED (UG/L AS CO)	12/30/77-08/23/93	15	54	
FRSP0045	No	01036	COBALT, SUSPENDED (UG/L AS CO)	12/30/77-07/12/82	4	10	
FRSP0045	No	01037	COBALT, TOTAL (UG/L AS CO)	12/30/77-07/12/82	4	12	
FRSP0032	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/30/70-07/30/70	0	1	
FRSP0033	No	01040	COPPER, DISSOLVED (UG/L AS CU)	10/26/98-10/26/98	0	1	
FRSP0045	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/30/77-08/27/91	13	49	
FRSP0055	No	01040	COPPER, DISSOLVED (UG/L AS CU)	07/23/96-07/23/96	0	1	
FRSP0063	No	01040	COPPER, DISSOLVED (UG/L AS CU)	08/20/96-08/20/96	0	1	
FRSP0065	No	01040	COPPER, DISSOLVED (UG/L AS CU)	12/17/98-12/17/98	0	1	
FRSP0080	No	01040	COPPER, DISSOLVED (UG/L AS CU)	05/20/97-05/21/98	1	2	
FRSP0045	No	01041	COPPER, SUSPENDED (UG/L AS CU)	12/30/77-07/12/82	4	12	
FRSP0002	No	01042	COPPER, TOTAL (UG/L AS CU)	04/13/70-05/08/74	4	10	
FRSP0008	No	01042	COPPER, TOTAL (UG/L AS CU)	04/13/70-05/02/77	7	13	
FRSP0010	No	01042	COPPER, TOTAL (UG/L AS CU)	05/02/77-07/07/86	9	7	
FRSP0012	No	01042	COPPER, TOTAL (UG/L AS CU)	04/13/70-05/08/74	4	11	
FRSP0013	No	01042	COPPER, TOTAL (UG/L AS CU)	02/17/93-09/15/94	1	2	
FRSP0015	No	01042	COPPER, TOTAL (UG/L AS CU)	04/13/70-05/08/74	4	11	
FRSP0017	No	01042	COPPER, TOTAL (UG/L AS CU)	06/06/85-04/17/90	4	2	
FRSP0018	No	01042	COPPER, TOTAL (UG/L AS CU)	05/29/75-05/02/77	1	2	
FRSP0019	No	01042	COPPER, TOTAL (UG/L AS CU)	04/17/90-02/26/91	0	2	
FRSP0020	No	01042	COPPER, TOTAL (UG/L AS CU)	05/06/75-04/16/79	3	7	
FRSP0022	No	01042	COPPER, TOTAL (UG/L AS CU)	04/13/70-09/15/94	24	34	
FRSP0023	No	01042	COPPER, TOTAL (UG/L AS CU)	05/02/77-05/02/77	0	1	
FRSP0025	No	01042	COPPER, TOTAL (UG/L AS CU)	03/07/78-07/09/86	8	10	
FRSP0026	No	01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-07/07/86	16	23	
FRSP0027	No	01042	COPPER, TOTAL (UG/L AS CU)	05/06/75-09/15/94	19	19	
FRSP0028	No	01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-03/17/77	6	16	
FRSP0036	No	01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-10/21/75	5	16	
FRSP0040	No	01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-04/10/79	9	22	
FRSP0043	No	01042	COPPER, TOTAL (UG/L AS CU)	03/06/84-07/21/94	10	2	
FRSP0045	No	01042	COPPER, TOTAL (UG/L AS CU)	12/30/77-07/12/82	4	12	
FRSP0047	No	01042	COPPER, TOTAL (UG/L AS CU)	09/07/78-09/07/78	0	1	
FRSP0048	No	01042	COPPER, TOTAL (UG/L AS CU)	03/19/70-07/14/94	24	25	
FRSP0049	No	01042	COPPER, TOTAL (UG/L AS CU)	10/16/72-06/10/91	18	13	
FRSP0055	No	01042	COPPER, TOTAL (UG/L AS CU)	08/14/91-08/14/91	0	2	
FRSP0058	No	01042	COPPER, TOTAL (UG/L AS CU)	05/17/73-10/24/89	16	7	
FRSP0065	No	01042	COPPER, TOTAL (UG/L AS CU)	10/24/89-07/14/94	4	3	
FRSP0072	No	01042	COPPER, TOTAL (UG/L AS CU)	03/17/77-04/10/79	2	5	
FRSP0080	No	01042	COPPER, TOTAL (UG/L AS CU)	05/27/75-07/21/94	19	17	
FRSP0086	No	01042	COPPER, TOTAL (UG/L AS CU)	07/24/89-03/30/91	1	3	
FRSP0087	No	01042	COPPER, TOTAL (UG/L AS CU)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01042	COPPER, TOTAL (UG/L AS CU)	05/22/91-05/22/91	0	1	
FRSP0097	No	01042	COPPER, TOTAL (UG/L AS CU)	07/24/89-03/30/91	1	3	
FRSP0101	No	01042	COPPER, TOTAL (UG/L AS CU)	07/24/89-03/30/91	1	3	
FRSP0103	No	01042	COPPER, TOTAL (UG/L AS CU)	03/10/81-03/10/81	0	1	
FRSP0106	No	01042	COPPER, TOTAL (UG/L AS CU)	07/25/89-03/30/91	1	3	
FRSP0107	No	01042	COPPER, TOTAL (UG/L AS CU)	11/01/74-09/29/94	19	8	
FRSP0111	No	01042	COPPER, TOTAL (UG/L AS CU)	07/25/89-03/30/91	1	3	
FRSP0112	No	01042	COPPER, TOTAL (UG/L AS CU)	05/23/77-09/29/94	17	6	
FRSP0008	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-07/30/97	20	6	
FRSP0013	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/06/85-04/17/90	4	2	
FRSP0018	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-06/13/84	6	4	
FRSP0027	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0043	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/14/91-07/23/96	4	2	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0058	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0086	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0103	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0106	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0045	No	01044	IRON, SUSPENDED (UG/L AS FE)	12/27/78-07/12/82	3	11	
FRSP0010	No	01045	IRON, TOTAL (UG/L AS FE)	10/23/79-10/23/79	0	1	
FRSP0013	No	01045	IRON, TOTAL (UG/L AS FE)	02/17/93-09/15/94	1	2	
FRSP0017	No	01045	IRON, TOTAL (UG/L AS FE)	06/06/85-04/17/90	4	2	
FRSP0019	No	01045	IRON, TOTAL (UG/L AS FE)	04/17/90-02/26/91	0	2	
FRSP0020	No	01045	IRON, TOTAL (UG/L AS FE)	11/06/78-04/16/79	0	2	
FRSP0022	No	01045	IRON, TOTAL (UG/L AS FE)	11/25/70-09/15/94	23	12	
FRSP0025	No	01045	IRON, TOTAL (UG/L AS FE)	11/13/78-10/29/79	0	3	
FRSP0026	No	01045	IRON, TOTAL (UG/L AS FE)	11/25/70-10/23/79	8	4	
FRSP0027	No	01045	IRON, TOTAL (UG/L AS FE)	11/13/78-09/15/94	15	9	
FRSP0028	No	01045	IRON, TOTAL (UG/L AS FE)	11/25/70-12/14/71	1	3	
FRSP0036	No	01045	IRON, TOTAL (UG/L AS FE)	11/25/70-12/14/71	1	4	
FRSP0040	No	01045	IRON, TOTAL (UG/L AS FE)	11/25/70-04/10/79	8	5	
FRSP0043	No	01045	IRON, TOTAL (UG/L AS FE)	07/21/94-07/21/94	0	1	
FRSP0045	No	01045	IRON, TOTAL (UG/L AS FE)	12/30/77-07/12/82	4	12	
FRSP0048	No	01045	IRON, TOTAL (UG/L AS FE)	11/22/70-07/14/94	23	8	
FRSP0049	No	01045	IRON, TOTAL (UG/L AS FE)	11/06/78-06/10/91	12	3	
FRSP0055	No	01045	IRON, TOTAL (UG/L AS FE)	08/14/91-08/14/91	0	2	
FRSP0058	No	01045	IRON, TOTAL (UG/L AS FE)	11/06/78-10/24/89	10		
FRSP0065	No	01045	IRON, TOTAL (UG/L AS FE)	10/24/89-07/14/94	4	3	
FRSP0072	No	01045	IRON, TOTAL (UG/L AS FE)	04/10/79-04/10/79	0	1	
FRSP0080	No	01045	IRON, TOTAL (UG/L AS FE)	11/13/78-07/21/94	15	7	
FRSP0086	No	01045	IRON, TOTAL (UG/L AS FE)	07/24/89-03/30/91	1	3	
FRSP0087	No	01045	IRON, TOTAL (UG/L AS FE)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01045	IRON, TOTAL (UG/L AS FE)	05/22/91-05/22/91	0	1	
FRSP0097	No	01045	IRON, TOTAL (UG/L AS FE)	07/24/89-03/30/91	1	3	
FRSP0101	No	01045	IRON, TOTAL (UG/L AS FE)	07/24/89-03/30/91	1	3	
FRSP0106	No	01045	IRON, TOTAL (UG/L AS FE)	07/25/89-03/30/91	1	3	
FRSP0107	No	01045	IRON, TOTAL (UG/L AS FE)	05/23/77-09/29/94	17	5	
FRSP0111	No	01045	IRON, TOTAL (UG/L AS FE)	07/25/89-03/30/91	1	3	
FRSP0112	No	01045	IRON, TOTAL (UG/L AS FE)	11/14/78-09/29/94	15	4	
FRSP0032	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/30/70-07/30/70	0	1	
FRSP0033	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/26/98-10/26/98	0	1	
FRSP0045	No	01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	24	254	T
FRSP0055	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/23/96-07/23/96	0	1	
FRSP0063	No	01046	IRON, DISSOLVED (UG/L AS FE)	08/20/96-08/20/96	0	1	
FRSP0065	No	01046	IRON, DISSOLVED (UG/L AS FE)	12/17/98-12/17/98	0	1	
FRSP0080	No	01046	IRON, DISSOLVED (UG/L AS FE)	05/20/97-05/21/98	1	2	
FRSP0086	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/24/89-03/30/91	1	3	
FRSP0097	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/24/89-03/30/91	1	3	
FRSP0101	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/24/89-03/30/91	1	3	
FRSP0106	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/25/89-03/30/91	1	3	
FRSP0111	No	01046	IRON, DISSOLVED (UG/L AS FE)	07/25/89-03/30/91	1	3	
FRSP0032	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/30/70-07/30/70	0	1	
FRSP0033	No	01049	LEAD, DISSOLVED (UG/L AS PB)	10/26/98-10/26/98	0	1	
FRSP0045	No	01049	LEAD, DISSOLVED (UG/L AS PB)	12/30/77-08/27/91	13	49	
FRSP0055	No	01049	LEAD, DISSOLVED (UG/L AS PB)	07/23/96-07/23/96	0	1	
FRSP0063	No	01049	LEAD, DISSOLVED (UG/L AS PB)	08/20/96-08/20/96	0	1	
FRSP0065	No	01049	LEAD, DISSOLVED (UG/L AS PB)	12/17/98-12/17/98	0	1	
FRSP0080	No	01049	LEAD, DISSOLVED (UG/L AS PB)	05/20/97-05/21/98	1	2	
FRSP0045	No	01050	LEAD, SUSPENDED (UG/L AS PB)	12/30/77-07/12/82	4	10	
FRSP0002	No	01051	LEAD, TOTAL (UG/L AS PB)	08/08/71-10/06/75	4	9	
FRSP0008	No	01051	LEAD, TOTAL (UG/L AS PB)	06/02/71-05/02/77	5	12	
FRSP0010	No	01051	LEAD, TOTAL (UG/L AS PB)	05/02/77-07/07/86	9	7	
FRSP0012	No	01051	LEAD, TOTAL (UG/L AS PB)	06/02/71-10/06/75	4	11	
FRSP0013	No	01051	LEAD, TOTAL (UG/L AS PB)	02/17/93-09/15/94	1	2	
FRSP0015	No	01051	LEAD, TOTAL (UG/L AS PB)	06/02/71-05/08/74	2	9	

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Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0017	No	01051	LEAD, TOTAL (UG/L AS PB)	06/06/85-04/17/90	4	2	
FRSP0018	No	01051	LEAD, TOTAL (UG/L AS PB)	05/29/75-05/02/77	1	3	
FRSP0019	No	01051	LEAD, TOTAL (UG/L AS PB)	04/17/90-02/26/91	0	2	
FRSP0020	No	01051	LEAD, TOTAL (UG/L AS PB)	05/06/75-04/16/79	3	7	
FRSP0022	No	01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-09/15/94	23	32	
FRSP0023	No	01051	LEAD, TOTAL (UG/L AS PB)	05/02/77-05/02/77	0	1	
FRSP0025	No	01051	LEAD, TOTAL (UG/L AS PB)	11/13/78-07/09/86	7	9	
FRSP0026	No	01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-07/07/86	15	20	
FRSP0027	No	01051	LEAD, TOTAL (UG/L AS PB)	05/06/75-09/15/94	19	19	
FRSP0028	No	01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-03/17/77	6	13	
FRSP0036	No	01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-10/21/75	4	14	
FRSP0040	No	01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-04/10/79	8	18	
FRSP0043	No	01051	LEAD, TOTAL (UG/L AS PB)	03/06/84-07/21/94	10	2	
FRSP0045	No	01051	LEAD, TOTAL (UG/L AS PB)	12/30/77-07/12/82	4	12	
FRSP0047	No	01051	LEAD, TOTAL (UG/L AS PB)	09/07/78-09/07/78	0	1	
FRSP0048	No	01051	LEAD, TOTAL (UG/L AS PB)	11/22/70-07/14/94	23	22	
FRSP0049	No	01051	LEAD, TOTAL (UG/L AS PB)	05/12/72-06/10/91	19	14	
FRSP0055	No	01051	LEAD, TOTAL (UG/L AS PB)	08/14/91-08/14/91	0	2	
FRSP0058	No	01051	LEAD, TOTAL (UG/L AS PB)	12/26/73-10/24/89	15	6	
FRSP0065	No	01051	LEAD, TOTAL (UG/L AS PB)	10/24/89-07/14/94	4	3	
FRSP0072	No	01051	LEAD, TOTAL (UG/L AS PB)	03/31/77-04/10/79	2	5	
FRSP0080	No	01051	LEAD, TOTAL (UG/L AS PB)	05/27/75-07/21/94	19	17	
FRSP0086	No	01051	LEAD, TOTAL (UG/L AS PB)	07/24/89-03/30/91	1	3	
FRSP0087	No	01051	LEAD, TOTAL (UG/L AS PB)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01051	LEAD, TOTAL (UG/L AS PB)	05/22/91-05/22/91	0	1	
FRSP0097	No	01051	LEAD, TOTAL (UG/L AS PB)	07/24/89-03/30/91	1	3	
FRSP0101	No	01051	LEAD, TOTAL (UG/L AS PB)	07/24/89-03/30/91	1	3	
FRSP0103	No	01051	LEAD, TOTAL (UG/L AS PB)	03/10/81-03/10/81	0	1	
FRSP0106	No	01051	LEAD, TOTAL (UG/L AS PB)	07/25/89-03/30/91	1	3	
FRSP0107	No	01051	LEAD, TOTAL (UG/L AS PB)	11/01/74-09/29/94	19	8	
FRSP0111	No	01051	LEAD, TOTAL (UG/L AS PB)	07/25/89-03/30/91	1	3	
FRSP0112	No	01051	LEAD, TOTAL (UG/L AS PB)	05/23/77-09/29/94	17	6	
FRSP0008	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-07/30/97	20	6	
FRSP0013	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/06/85-04/17/90	4	2	
FRSP0018	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-06/13/84	6	4	
FRSP0027	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0043	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/14/91-07/23/96	4	2	
FRSP0058	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0086	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0103	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0106	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0110	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0013	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0017	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/17/90-04/17/90	0	1	
FRSP0019	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0023	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0027	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0043	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0048	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0055	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/23/96-07/23/96	0	1	
FRSP0058	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/24/89-10/24/89	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0063	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0080	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/21/91-04/26/95	3	2	
FRSP0084	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	03/29/95-07/31/97	2	2	
FRSP0086	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0106	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0045	No	01054	MANGANESE, SUSPENDED (UG/L AS MN)	12/30/77-07/12/82	4		12
FRSP0002	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/13/70-04/13/70	0	1	
FRSP0008	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/13/70-04/13/70	0	1	
FRSP0010	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/23/79-10/23/79	0	1	
FRSP0012	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/13/70-04/13/70	0	1	
FRSP0013	No	01055	MANGANESE, TOTAL (UG/L AS MN)	02/17/93-09/15/94	1	2	
FRSP0015	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/13/70-04/13/70	0	1	
FRSP0017	No	01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/85-04/17/90	4	2	
FRSP0019	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/17/90-02/26/91	0	2	
FRSP0020	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/06/78-04/16/79	0	2	
FRSP0022	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/13/70-09/15/94	24		12
FRSP0025	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/78-10/29/79	0	3	
FRSP0026	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/18/70-10/23/79	9	4	
FRSP0027	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/78-09/15/94	15	8	
FRSP0028	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/18/70-04/25/71	1	3	
FRSP0036	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/18/70-06/01/71	1	4	
FRSP0040	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/18/70-04/10/79	9	5	
FRSP0043	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/21/94-07/21/94	0	1	
FRSP0045	No	01055	MANGANESE, TOTAL (UG/L AS MN)	12/30/77-07/12/82	4		12
FRSP0048	No	01055	MANGANESE, TOTAL (UG/L AS MN)	03/19/70-07/14/94	24		8
FRSP0049	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/06/78-06/10/91	12	3	
FRSP0055	No	01055	MANGANESE, TOTAL (UG/L AS MN)	08/14/91-08/14/91	0	2	
FRSP0058	No	01055	MANGANESE, TOTAL (UG/L AS MN)	11/06/78-10/24/89	10	2	
FRSP0065	No	01055	MANGANESE, TOTAL (UG/L AS MN)	10/24/89-07/14/94	4	2	
FRSP0072	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/79-04/10/79	0	1	
FRSP0080	No	01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/79-07/21/94	15	5	
FRSP0086	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/24/89-03/30/91	1	3	
FRSP0087	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01055	MANGANESE, TOTAL (UG/L AS MN)	05/22/91-05/22/91	0	1	
FRSP0097	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/24/89-03/30/91	1	3	
FRSP0101	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/24/89-03/30/91	1	3	
FRSP0106	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/25/89-03/30/91	1	3	
FRSP0107	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/23/77-09/29/94	17	5	
FRSP0111	No	01055	MANGANESE, TOTAL (UG/L AS MN)	07/25/89-03/30/91	1	3	
FRSP0112	No	01055	MANGANESE, TOTAL (UG/L AS MN)	05/23/77-09/29/94	17	5	
FRSP0114	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/21/86-04/04/86	0	2	
FRSP0024	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/21/86-04/04/86	0	2	
FRSP0032	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/30/70-07/30/70	0	1	
FRSP0033	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	10/26/98-10/26/98	0	1	
FRSP0045	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/30/77-08/23/93	15	54	
FRSP0055	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/23/96-07/23/96	0	1	
FRSP0063	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/20/96-08/20/96	0	1	
FRSP0065	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/17/98-12/17/98	0	1	
FRSP0080	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/20/97-05/21/98	1	2	
FRSP0086	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/24/89-03/30/91	1	3	
FRSP0097	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/24/89-03/30/91	1	3	
FRSP0101	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/24/89-03/30/91	1	3	
FRSP0106	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/89-03/30/91	1	3	
FRSP0109	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/01/77-09/01/77	0	1	
FRSP0111	No	01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/89-03/30/91	1	3	
FRSP0033	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	10/26/98-10/26/98	0	1	
FRSP0055	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	07/23/96-07/23/96	0	1	
FRSP0063	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	08/20/96-08/20/96	0	1	
FRSP0065	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	12/17/98-12/17/98	0	1	
FRSP0080	No	01057	THALLIUM, DISSOLVED (UG/L AS TL)	05/21/98-05/21/98	0	1	
FRSP0010	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/25/89-07/25/83	0	1	
FRSP0013	No	01059	THALLIUM, TOTAL (UG/L AS TL)	02/17/93-02/17/93	0	1	
FRSP0017	No	01059	THALLIUM, TOTAL (UG/L AS TL)	04/17/90-04/17/90	0	1	
FRSP0019	No	01059	THALLIUM, TOTAL (UG/L AS TL)	04/17/90-02/26/91	0	2	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0022	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/18/83-02/17/93	9	4	
FRSP0025	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/18/83-07/18/83	0	1	
FRSP0026	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/25/83-07/25/83	0	1	
FRSP0027	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/26/83-02/17/93	9	4	
FRSP0047	No	01059	THALLIUM, TOTAL (UG/L AS TL)	09/07/78-09/07/78	0	1	
FRSP0048	No	01059	THALLIUM, TOTAL (UG/L AS TL)	06/10/91-03/24/93	1	2	
FRSP0049	No	01059	THALLIUM, TOTAL (UG/L AS TL)	06/10/91-06/10/91	0	1	
FRSP0065	No	01059	THALLIUM, TOTAL (UG/L AS TL)	03/24/93-03/24/93	0	1	
FRSP0080	No	01059	THALLIUM, TOTAL (UG/L AS TL)	07/18/83-03/25/93	9	3	
FRSP0087	No	01059	THALLIUM, TOTAL (UG/L AS TL)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01059	THALLIUM, TOTAL (UG/L AS TL)	05/22/91-05/22/91	0	1	
FRSP0107	No	01059	THALLIUM, TOTAL (UG/L AS TL)	03/02/93-03/02/93	0	1	
FRSP0112	No	01059	THALLIUM, TOTAL (UG/L AS TL)	03/02/93-03/02/93	0	1	
FRSP0045	No	01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/24/82-08/23/93	10	41	
FRSP0002	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-10/06/75	2	4	
FRSP0008	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/21/73-05/02/77	3	5	
FRSP0010	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/02/77-05/02/77	0	1	
FRSP0012	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-10/06/75	2	4	
FRSP0015	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-08/01/73	0	2	
FRSP0018	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/29/75-05/02/77	1	3	
FRSP0020	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/06/75-04/16/79	3	7	
FRSP0022	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-04/10/79	6	9	
FRSP0023	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/02/77-05/02/77	0	1	
FRSP0025	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/07/78-03/13/79	1	3	
FRSP0026	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-05/02/77	4	6	
FRSP0027	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/06/75-04/10/79	3	7	
FRSP0028	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-03/17/77	4	4	
FRSP0033	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	10/26/98-10/26/98	0	1	
FRSP0036	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-10/21/75	2	4	
FRSP0040	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-04/10/79	6	9	
FRSP0045	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	02/20/80-08/23/93	13	50	
FRSP0048	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	01/11/73-04/16/79	6	11	
FRSP0049	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-04/16/79	5	10	
FRSP0055	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	07/23/96-07/23/96	0	1	
FRSP0058	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-11/06/78	5	5	
FRSP0063	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	08/20/96-08/20/96	0	1	
FRSP0065	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	12/17/98-12/17/98	0	1	
FRSP0072	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	03/17/77-04/10/79	2	5	
FRSP0080	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/27/75-05/21/98	22	9	
FRSP0107	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	11/01/74-11/14/78	4	5	
FRSP0112	No	01065	NICKEL, DISSOLVED (UG/L AS NI)	05/23/77-11/14/78	1	3	
FRSP0045	No	01066	NICKEL, SUSPENDED (UG/L AS NI)	02/20/80-07/12/82	2	9	
FRSP0010	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/23/79-07/07/86	6	6	
FRSP0013	No	01067	NICKEL, TOTAL (UG/L AS NI)	02/17/93-09/15/94	1	2	
FRSP0017	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/06/85-04/17/90	4	2	
FRSP0019	No	01067	NICKEL, TOTAL (UG/L AS NI)	04/17/90-02/26/91	0	2	
FRSP0022	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/29/79-09/15/94	14	12	
FRSP0025	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/29/79-07/09/86	6	7	
FRSP0026	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/23/79-07/07/86	6	6	
FRSP0027	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/09/79-09/15/94	14	12	
FRSP0043	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/06/84-07/21/94	10	2	
FRSP0045	No	01067	NICKEL, TOTAL (UG/L AS NI)	02/20/80-07/12/82	2	9	
FRSP0047	No	01067	NICKEL, TOTAL (UG/L AS NI)	09/07/78-09/07/78	0	1	
FRSP0048	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/10/91-07/14/94	3	3	
FRSP0049	No	01067	NICKEL, TOTAL (UG/L AS NI)	06/10/91-06/10/91	0	1	
FRSP0058	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/24/89-10/24/89	0	1	
FRSP0065	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/24/89-07/14/94	4	3	
FRSP0080	No	01067	NICKEL, TOTAL (UG/L AS NI)	10/29/79-07/21/94	14	10	
FRSP0086	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/24/89-03/30/91	1	3	
FRSP0087	No	01067	NICKEL, TOTAL (UG/L AS NI)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01067	NICKEL, TOTAL (UG/L AS NI)	05/22/91-05/22/91	0	1	
FRSP0097	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/24/89-03/30/91	1	3	
FRSP0101	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/24/89-03/30/91	1	3	
FRSP0103	No	01067	NICKEL, TOTAL (UG/L AS NI)	03/10/81-03/10/81	0	1	
FRSP0106	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/25/89-03/30/91	1	3	
FRSP0107	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/12/91-09/29/94	2	3	
FRSP0111	No	01067	NICKEL, TOTAL (UG/L AS NI)	07/25/89-03/30/91	1	3	
FRSP0112	No	01067	NICKEL, TOTAL (UG/L AS NI)	11/12/91-09/29/94	2	3	
FRSP0008	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	20	6	
FRSP0013	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/85-04/17/90	4	2	

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Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0018	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/13/84	6	4	
FRSP0027	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0043	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/14/91-07/23/96	4	2	
FRSP0058	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0086	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0103	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0106	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0080	No	01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	07/16/91-07/16/91	0	3	
FRSP0080	No	01073	THALLIUM, TISSUE, WET WEIGHT, MG/KG	07/16/91-07/16/91	0	3	
FRSP0033	No	01075	SILVER, DISSOLVED (UG/L AS AG)	10/26/98-10/26/98	0	1	
FRSP0045	No	01075	SILVER, DISSOLVED (UG/L AS AG)	12/30/77-08/23/93	15	54	
FRSP0055	No	01075	SILVER, DISSOLVED (UG/L AS AG)	07/23/96-07/23/96	0	1	
FRSP0065	No	01075	SILVER, DISSOLVED (UG/L AS AG)	12/17/98-12/17/98	0	1	
FRSP0080	No	01075	SILVER, DISSOLVED (UG/L AS AG)	05/20/97-05/21/98	1	2	
FRSP0045	No	01076	SILVER, SUSPENDED (UG/L AS AG)	12/30/77-03/09/81	3	8	
FRSP0022	No	01077	SILVER, TOTAL (UG/L AS AG)	09/20/88-09/20/88	0	1	
FRSP0027	No	01077	SILVER, TOTAL (UG/L AS AG)	09/20/88-09/20/88	0	1	
FRSP0045	No	01077	SILVER, TOTAL (UG/L AS AG)	12/30/77-07/12/82	4	14	
FRSP0047	No	01077	SILVER, TOTAL (UG/L AS AG)	09/07/78-09/07/78	0	1	
FRSP0010	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0013	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0022	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0023	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0027	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0043	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0048	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	07/23/96-07/23/96	0	1	
FRSP0065	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	04/26/95-04/26/95	0	1	
FRSP0084	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0107	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0112	No	01078	SILVER IN BOTTOM DEPOSITS (MG/KG AS AG DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0045	No	01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/24/82-08/23/93	10	41	
FRSP0045	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	11/24/82-08/23/93	10	41	
FRSP0109	No	01085	VANADIUM, DISSOLVED (UG/L AS V)	09/01/77-09/01/77	0	1	
FRSP0032	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/30/70-07/30/70	0	1	
FRSP0033	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	10/26/98-10/26/98	0	1	
FRSP0045	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/30/77-08/27/91	13	49	
FRSP0055	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	07/23/96-07/23/96	0	1	
FRSP0063	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	08/20/96-08/20/96	0	1	
FRSP0065	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	12/17/98-12/17/98	0	1	
FRSP0080	No	01090	ZINC, DISSOLVED (UG/L AS ZN)	05/20/97-05/21/98	1	2	
FRSP0045	No	01091	ZINC, SUSPENDED (UG/L ZN)	12/30/77-04/28/82	4	10	
FRSP0002	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/13/70-10/06/75	5	12	
FRSP0008	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/13/70-05/02/77	7	14	
FRSP0010	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/02/77-07/07/86	9	7	
FRSP0012	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/13/70-10/06/75	5	13	
FRSP0013	No	01092	ZINC, TOTAL (UG/L AS ZN)	02/17/93-09/15/94	1	2	
FRSP0015	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/13/70-05/08/74	4	11	
FRSP0017	No	01092	ZINC, TOTAL (UG/L AS ZN)	06/06/85-04/17/90	4	2	
FRSP0018	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/29/75-05/02/77	1	3	
FRSP0019	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/17/90-02/26/91	0	2	
FRSP0020	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/06/75-04/16/79	3	7	
FRSP0022	No	01092	ZINC, TOTAL (UG/L AS ZN)	04/13/70-09/15/94	24	34	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0023	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/02/77-05/02/77	0	1	
FRSP0025	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/07/78-07/09/86	8	10	
FRSP0026	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-07/07/86	16	25	
FRSP0027	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/06/75-09/15/94	19	19	
FRSP0028	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-03/17/77	6	16	
FRSP0036	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-10/21/75	5	17	
FRSP0040	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-04/10/79	9	21	
FRSP0043	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/06/84-07/21/94	10	2	
FRSP0045	No	01092	ZINC, TOTAL (UG/L AS ZN)	12/30/77-07/12/82	4	12	
FRSP0047	No	01092	ZINC, TOTAL (UG/L AS ZN)	09/07/78-09/07/78	0	1	
FRSP0048	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/19/70-07/14/94	24	50	
FRSP0049	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/12/72-06/10/91	19	38	
FRSP0055	No	01092	ZINC, TOTAL (UG/L AS ZN)	08/14/91-08/14/91	0	2	
FRSP0058	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/17/73-10/24/89	16	20	
FRSP0065	No	01092	ZINC, TOTAL (UG/L AS ZN)	10/24/89-07/14/94	4	3	
FRSP0072	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/31/77-04/10/79	2	5	
FRSP0080	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/27/75-07/21/94	19	16	
FRSP0086	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/24/89-03/30/91	1	3	
FRSP0087	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01092	ZINC, TOTAL (UG/L AS ZN)	05/22/91-05/22/91	0	1	
FRSP0097	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/24/89-03/30/91	1	3	
FRSP0101	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/24/89-03/30/91	1	3	
FRSP0103	No	01092	ZINC, TOTAL (UG/L AS ZN)	03/10/81-03/10/81	0	1	
FRSP0106	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/25/89-03/30/91	1	3	
FRSP0107	No	01092	ZINC, TOTAL (UG/L AS ZN)	11/01/74-09/29/94	19	8	
FRSP0111	No	01092	ZINC, TOTAL (UG/L AS ZN)	07/25/89-03/30/91	1	3	
FRSP0112	No	01092	ZINC, TOTAL (UG/L AS ZN)	05/23/77-09/29/94	17	6	
FRSP0008	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-07/30/97	20	6	
FRSP0013	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/06/85-04/17/90	4	2	
FRSP0018	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-06/23/82	4	3	
FRSP0027	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0043	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/14/91-07/23/96	4	2	
FRSP0058	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0086	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0103	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0106	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0033	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	10/26/98-10/26/98	0	1	
FRSP0055	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	07/23/96-07/23/96	0	1	
FRSP0063	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	08/20/96-08/20/96	0	1	
FRSP0065	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	12/17/98-12/17/98	0	1	
FRSP0080	No	01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/20/97-05/21/98	1	2	
FRSP0047	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	09/07/78-09/07/78	0	1	
FRSP0107	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	11/12/91-11/12/91	0	1	
FRSP0112	No	01097	ANTIMONY, TOTAL (UG/L AS SB)	11/12/91-11/12/91	0	1	
FRSP0010	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0013	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0022	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0023	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0027	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0043	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0048	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0055	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	07/23/96-07/23/96	0	1	

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From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0065	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0080	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	04/26/95-04/26/95	0	1	
FRSP0084	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	03/29/95-07/31/97	2	2	
FRSP0107	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0112	No	01098	ANTIMONY IN BOTTOM DEPOSITS (MG/KG AS SB DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0014	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/21/86-04/04/86	0	2	
FRSP0024	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	03/21/86-04/04/86	0	2	
FRSP0032	No	01105	ALUMINUM, TOTAL (UG/L AS AL)	07/30/70-07/30/70	0	1	
FRSP0033	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	10/26/98-10/26/98	0	1	
FRSP0045	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/14/83-08/23/93	10	40	
FRSP0065	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	12/17/98-12/17/98	0	1	
FRSP0080	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/20/97-05/21/98	1	2	
FRSP0109	No	01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/01/77-09/01/77	0	1	
FRSP0010	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0013	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0022	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0023	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0027	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0043	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0048	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0055	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	07/23/96-07/23/96	0	1	
FRSP0063	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0080	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	04/26/95-04/26/95	0	1	
FRSP0084	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	03/29/95-07/31/97	2	2	
FRSP0107	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0112	No	01108	ALUMINUM IN BOTTOM DEPOSITS (MG/KG AS AL DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0045	No	01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/24/82-08/23/93	10	41	
FRSP0010	No	01140	SILICON, DISSOLVED (UG/L AS SI)	08/02/88-08/16/88	0	4	
FRSP0033	No	01140	SILICON, DISSOLVED (UG/L AS SI)	07/21/86-04/20/89	2	70	
FRSP0033	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	10/26/98-10/26/98	0	1	
FRSP0045	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/30/77-08/23/93	15	54	
FRSP0055	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	07/23/96-07/23/96	0	1	
FRSP0063	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/20/96-08/20/96	0	1	
FRSP0065	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/17/98-12/17/98	0	1	
FRSP0080	No	01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/20/97-05/21/98	1	2	
FRSP0045	No	01146	SELENIUM, SUSPENDED (UG/L AS SE)	12/30/77-03/09/81	3	8	
FRSP0010	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/25/83-07/25/83	0	1	
FRSP0013	No	01147	SELENIUM, TOTAL (UG/L AS SE)	02/17/93-09/15/94	1	2	
FRSP0017	No	01147	SELENIUM, TOTAL (UG/L AS SE)	04/17/90-04/17/90	0	1	
FRSP0019	No	01147	SELENIUM, TOTAL (UG/L AS SE)	04/17/90-02/26/91	0	2	
FRSP0022	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/18/83-09/15/94	11	6	
FRSP0025	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/18/83-07/18/83	0	1	
FRSP0026	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/25/83-07/25/83	0	1	
FRSP0027	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/26/83-09/15/94	11	6	
FRSP0043	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/21/94-07/21/94	0	1	
FRSP0045	No	01147	SELENIUM, TOTAL (UG/L AS SE)	12/30/77-07/12/82	4	12	
FRSP0047	No	01147	SELENIUM, TOTAL (UG/L AS SE)	09/07/78-09/07/78	0	1	
FRSP0048	No	01147	SELENIUM, TOTAL (UG/L AS SE)	06/10/91-03/24/93	1	2	
FRSP0049	No	01147	SELENIUM, TOTAL (UG/L AS SE)	06/10/91-06/10/91	0	1	
FRSP0058	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/24/89-10/24/89	0	1	
FRSP0065	No	01147	SELENIUM, TOTAL (UG/L AS SE)	10/24/89-03/24/93	3	2	
FRSP0080	No	01147	SELENIUM, TOTAL (UG/L AS SE)	07/18/83-07/21/94	11	5	
FRSP0087	No	01147	SELENIUM, TOTAL (UG/L AS SE)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01147	SELENIUM, TOTAL (UG/L AS SE)	05/22/91-05/22/91	0	1	
FRSP0107	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/12/91-09/29/94	2	3	
FRSP0112	No	01147	SELENIUM, TOTAL (UG/L AS SE)	11/12/91-09/29/94	2	3	
FRSP0010	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0013	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	04/17/90-04/17/90	0	1	
FRSP0019	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/16/83-06/25/97	14	7	
FRSP0023	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0025	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/16/83-08/19/86	3	4	
FRSP0026	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/13/84-06/13/84	0	1	
FRSP0027	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/26/83-08/27/97	14	6	
FRSP0043	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0048	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	07/23/96-07/23/96	0	1	
FRSP0058	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/26/93-07/23/97	4	3	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0080	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/16/83-04/26/95	11	7	
FRSP0084	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0087	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0107	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0112	No	01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0080	No	01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	07/16/91-07/16/91	0	3	
FRSP0010	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0013	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0022	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0023	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	05/01/95-07/30/97	2	2	
FRSP0027	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	04/03/95-08/27/97	2	2	
FRSP0043	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	04/03/95-06/25/97	2	2	
FRSP0048	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0055	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/23/96-07/23/96	0	1	
FRSP0058	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	07/20/95-07/23/97	2	2	
FRSP0080	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	04/26/95-04/26/95	0	1	
FRSP0084	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	03/29/95-07/31/97	2	2	
FRSP0086	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0097	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0101	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0106	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0106	No	01300	OIL-GREASE (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01300	OIL-GREASE (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01305	DETERGENT SUDS (SEVERITY)	03/04/87-12/03/91	4	2	
FRSP0106	No	01305	DETERGENT SUDS (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01305	DETERGENT SUDS (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01310	GAS BUBBLES (SEVERITY)	03/04/87-08/26/92	5	4	
FRSP0106	No	01310	GAS BUBBLES (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01310	GAS BUBBLES (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01315	SLUDGE, FLOATING (SEVERITY)	03/04/87-12/04/91	4	4	
FRSP0106	No	01315	SLUDGE, FLOATING (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01315	SLUDGE, FLOATING (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01320	GARBAGE, FLOATING (SEVERITY)	08/13/93-08/13/93	0	1	
FRSP0106	No	01320	GARBAGE, FLOATING (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01320	GARBAGE, FLOATING (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01325	ALGAE, FLOATING MATS (SEVERITY)	08/26/86-06/25/92	5	6	
FRSP0106	No	01325	ALGAE, FLOATING MATS (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01325	ALGAE, FLOATING MATS (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01330	ODOR, ATMOSPHERIC (SEVERITY)	03/04/87-11/30/93	6	4	
FRSP0106	No	01330	ODOR, ATMOSPHERIC (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01330	ODOR, ATMOSPHERIC (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0106	No	01340	FISH, DEAD (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01340	FISH, DEAD (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01345	DEBRIS, FLOATING (SEVERITY)	01/21/87-12/22/93	6	26	
FRSP0106	No	01345	DEBRIS, FLOATING (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01345	DEBRIS, FLOATING (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0045	No	01350	TURBIDITY (SEVERITY)	01/21/87-12/22/93	6	44	
FRSP0086	No	01350	TURBIDITY (SEVERITY)	03/30/91-10/01/91	0	2	
FRSP0097	No	01350	TURBIDITY (SEVERITY)	03/30/91-10/01/91	0	2	
FRSP0101	No	01350	TURBIDITY (SEVERITY)	03/30/91-03/30/91	0	1	
FRSP0106	No	01350	TURBIDITY (SEVERITY)	10/03/90-03/30/91	0	2	
FRSP0110	No	01350	TURBIDITY (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0111	No	01350	TURBIDITY (SEVERITY)	03/30/91-03/30/91	0	1	
FRSP0009	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	04/23/96-04/23/96	0	1	
FRSP010	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/25/79-04/28/83	3	19	
FRSP013	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	05/14/92-11/23/98	6	27	
FRSP0020	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	12/27/90-03/27/91	0	2	
FRSP0022	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	09/27/79-11/23/98	19	147	
FRSP0025	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	08/23/79-06/17/87	7	82	
FRSP0026	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/25/79-03/29/88	8	27	
FRSP0027	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/03/79-11/23/98	19	140	
FRSP0033	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	03/10/92-12/10/98	6	119	
FRSP0043	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	03/24/94-11/23/98	4	25	
FRSP0048	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	09/13/90-12/17/98	8	74	
FRSP0049	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	09/13/90-06/10/91	0	10	
FRSP0055	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	08/14/91-08/14/91	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0058	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/29/87-08/22/90	3	30	
FRSP0063	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	08/20/96-08/20/96	0	1	
FRSP0065	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/29/87-12/17/98	11	92	
FRSP0070	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	08/20/96-08/20/96	0	1	
FRSP0071	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	08/20/96-08/20/96	0	1	
FRSP0080	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	08/23/79-12/16/98	19	202	
FRSP0084	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	12/27/90-10/21/98	7	21	
FRSP0087	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	05/22/91-05/22/91	0	1	
FRSP0095	Yes	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	05/22/91-05/22/91	0	1	
FRSP0107	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	07/09/87-11/04/98	11	62	
FRSP0112	No	01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE	12/19/90-11/04/98	7	29	
FRSP0045	No	01355	ICE COVER, FLOATING OR SOLID (SEVERITY)	01/12/88-02/27/92	4	2	
FRSP0106	No	01355	ICE COVER, FLOATING OR SOLID (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0110	No	01355	ICE COVER, FLOATING OR SOLID (SEVERITY)	10/03/90-10/03/90	0	1	
FRSP0109	No	22703	URANIUM, NATURAL, DISSOLVED	09/01/77-09/01/77	0	1	
FRSP0002	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-10/07/70	2	11	
FRSP0008	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-07/11/77	9	13	
FRSP0010	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/04/76-07/11/77	0	3	
FRSP0012	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-10/07/70	2	11	
FRSP0015	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-10/07/70	2	11	
FRSP0018	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/11/77-07/11/77	0	1	
FRSP0022	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/06/68-07/25/77	8	20	
FRSP0023	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/04/76-07/11/77	0	4	
FRSP0026	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/01/68-05/11/76	7	17	
FRSP0028	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/06/68-10/06/70	2	14	
FRSP0036	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/01/68-01/23/72	3	13	
FRSP0040	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/01/68-03/31/77	8	17	
FRSP0048	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-10/20/71	3	13	
FRSP0104	No	31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/14/70-07/14/70	0	1	
FRSP0058	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/08/87-10/08/87	0	1	
FRSP0065	No	31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/08/87-10/08/87	0	1	
FRSP0010	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/15/94-06/07/94	0	3	
FRSP0023	No	31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/15/94-06/07/94	0	4	
FRSP0010	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/04/92-09/15/97	5	23	
FRSP0023	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/05/94-09/15/97	3	19	
FRSP0033	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	06/08/95-06/08/95	0	1	
FRSP0104	No	31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/14/70-07/14/70	0	1	
FRSP0002	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/71-10/06/75	4	34	
FRSP0008	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/71-06/13/79	8	54	
FRSP0010	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	22	106	
FRSP0012	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/02/71-10/06/75	4	34	
FRSP0013	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/17/92-11/23/98	6	28	
FRSP0015	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/02/71-08/28/74	3	24	
FRSP0017	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/06/85-06/06/85	0	1	
FRSP0018	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/26/74-06/13/79	4	27	
FRSP0019	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/26/91-02/26/91	0	1	
FRSP0020	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/25/75-06/27/79	4	41	
FRSP0021	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	12/16/74-07/27/78	3	5	
FRSP0022	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	27	217	T,A,S
FRSP0023	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	22	64	
FRSP0025	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	9	86	
FRSP0026	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	17	123	
FRSP0027	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	24	165	T
FRSP0028	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	7	55	
FRSP0032	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	02/12/70-06/25/70	0	5	
FRSP0036	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	5	51	
FRSP0040	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	8	68	
FRSP0042	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/08/77-06/08/77	0	1	
FRSP0043	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	03/24/94-11/23/98	4	25	
FRSP0048	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	28	151	T,S
FRSP0049	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/12/72-08/12/91	19	73	
FRSP0052	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/08/77-06/08/77	0	1	
FRSP0055	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/14/91-07/23/96	4	3	
FRSP0057	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/23/96-07/23/96	0	1	
FRSP0058	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-03/29/89	15	48	
FRSP0063	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-08/20/96	0	1	
FRSP0065	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	11	72	
FRSP0070	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-08/20/96	0	1	
FRSP0071	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-08/20/96	0	1	
FRSP0072	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/03/76-06/04/79	3	17	
FRSP0080	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	24	220	A
FRSP0081	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/28/76-10/05/76	0	2	

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Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0083	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	0	1	
FRSP0084	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/27/91-10/21/98	7	19	
FRSP0087	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-05/22/91	15	2	
FRSP0095	Yes	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/22/91-05/22/91	0	1	
FRSP0098	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	0	1	
FRSP0102	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	0	1	
FRSP0103	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	0	2	
FRSP0107	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/09/74-11/04/98	24	69	
FRSP0108	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	01/29/76-01/29/76	0	1	
FRSP0112	No	31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/27/76-11/04/98	22	45	
FRSP0045	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	12/30/77-04/28/94	16	95	
FRSP0086	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	1	3	
FRSP0097	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	1	3	
FRSP0101	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	1	3	
FRSP0106	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	1	4	
FRSP0111	No	31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/25/89-03/30/91	1	3	
FRSP0045	No	31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/30/77-04/28/94	16	95	
FRSP0047	No	32101	BROMODICHLOROMETHANE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	32102	CARBON TETRACHLORIDE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	32103	1,2-DICHLOROETHANE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	32104	BROMOFORM,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	32105	DIBROMOCHLOROMETHANE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	32106	CHLOROFORM,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0033	No	32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/07/98-10/07/98	0	2	
FRSP0033	No	32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/07/98-10/07/98	0	2	
FRSP0033	No	32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	10/07/98-10/07/98	0	2	
FRSP0033	No	32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	10/07/98-10/07/98	0	2	
FRSP0033	No	32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/07/98-10/07/98	0	2	
FRSP0033	No	32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	10/07/98-10/07/98	0	2	
FRSP0013	No	32240	TANNIN AND LIGNIN (MG/L)	05/14/92-02/17/93	0	3	
FRSP0022	No	32240	TANNIN AND LIGNIN (MG/L)	05/14/92-02/17/93	0	3	
FRSP0027	No	32240	TANNIN AND LIGNIN (MG/L)	05/14/92-02/17/93	0	3	
FRSP0048	No	32240	TANNIN AND LIGNIN (MG/L)	05/20/92-02/24/93	0	8	
FRSP0065	No	32240	TANNIN AND LIGNIN (MG/L)	05/20/92-02/24/93	0	8	
FRSP0080	No	32240	TANNIN AND LIGNIN (MG/L)	05/14/92-09/29/92	0	2	
FRSP0084	No	32240	TANNIN AND LIGNIN (MG/L)	06/27/91-12/22/92	1	3	
FRSP0107	No	32240	TANNIN AND LIGNIN (MG/L)	06/24/92-12/14/92	0	3	
FRSP0112	No	32240	TANNIN AND LIGNIN (MG/L)	06/24/92-12/14/92	0	3	
FRSP0086	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/89-03/30/91	1	3	
FRSP0097	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/89-03/30/91	1	3	
FRSP0101	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/89-03/30/91	1	3	
FRSP0106	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/25/89-03/30/91	1	3	
FRSP0111	No	32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/25/89-03/30/91	1	3	
FRSP0047	No	34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	09/07/78-09/07/78	0	1	
FRSP0047	No	34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	09/07/78-09/07/78	0	1	
FRSP0047	No	34200	ACENAPHTHYLENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34205	ACENAPHTHENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34210	ACROLEIN TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34215	ACRYLONITRILE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34220	ANTHRACENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34247	BENZO-A-PYRENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0080	No	34252	BERYLLIUM WET WGTTISMG/KG	07/16/91-07/16/91	0	3	
FRSP0010	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0047	No	34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34278	BIS (2-CHLOROETHOXY) METHANE TOTWUG/L	09/07/78-09/07/78	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0047	No	34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34301	CHLOROBENZENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34311	CHLOROETHANE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34320	CHRYSENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34336	DIETHYL PHTHALATE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34341	DIMETHYL PHTHALATE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0010	No	34351	ENDOSULFAN SULFATE TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	34351	ENDOSULFAN SULFATE TOTWUG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	34351	ENDOSULFAN SULFATE TOTWUG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	34351	ENDOSULFAN SULFATE TOTWUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	34351	ENDOSULFAN SULFATE TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	34351	ENDOSULFAN SULFATE TOTWUG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	34351	ENDOSULFAN SULFATE TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	34351	ENDOSULFAN SULFATE TOTWUG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	34351	ENDOSULFAN SULFATE TOTWUG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	34351	ENDOSULFAN SULFATE TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	34351	ENDOSULFAN SULFATE TOTWUG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	34351	ENDOSULFAN SULFATE TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	34356	ENDOSULFAN, BETA TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	34356	ENDOSULFAN, BETA TOTWUG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	34356	ENDOSULFAN, BETA TOTWUG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	34356	ENDOSULFAN, BETA TOTWUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	34356	ENDOSULFAN, BETA TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	34356	ENDOSULFAN, BETA TOTWUG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	34356	ENDOSULFAN, BETA TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	34356	ENDOSULFAN, BETA TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	34356	ENDOSULFAN, BETA TOTWUG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	34356	ENDOSULFAN, BETA TOTWUG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	34356	ENDOSULFAN, BETA TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	34356	ENDOSULFAN, BETA TOTWUG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	34356	ENDOSULFAN, BETA TOTWUG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	34356	ENDOSULFAN, BETA TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	34356	ENDOSULFAN, BETA TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	34361	ENDOSULFAN, ALPHA TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	34366	ENDRIN ALDEHYDE TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	34366	ENDRIN ALDEHYDE TOTWUG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	34366	ENDRIN ALDEHYDE TOTWUG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	34366	ENDRIN ALDEHYDE TOTWUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	34366	ENDRIN ALDEHYDE TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	34366	ENDRIN ALDEHYDE TOTWUG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	34366	ENDRIN ALDEHYDE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	34366	ENDRIN ALDEHYDE TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	34366	ENDRIN ALDEHYDE TOTWUG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	34366	ENDRIN ALDEHYDE TOTWUG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	34366	ENDRIN ALDEHYDE TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	34366	ENDRIN ALDEHYDE TOTWUG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	34366	ENDRIN ALDEHYDE TOTWUG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	34366	ENDRIN ALDEHYDE TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	34366	ENDRIN ALDEHYDE TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0047	No	34371	ETHYLBENZENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34376	FLUORANTHENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34381	FLUORENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	09/07/78-09/07/78	0	1	

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Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0047	No	34396	HEXACHLOROETHANE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34408	ISOPHORONE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34413	METHYL BROMIDE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34418	METHYL CHLORIDE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34423	METHYLENE CHLORIDE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34428	N-NITROSO-DI-N-PROPYLAMINE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34433	N-NITROSO-DIPHENYLAMINE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34438	N-NITROSODIMETHYLAMINE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34447	NITROBENZENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34452	PARACHLOROMETA CRESOL TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34461	PHENANTHRENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34469	PYRENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34475	TETRACHLOROETHYLENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0010	No	34480	THALLIUM DRY WGBTOTMG/KG	05/01/95-07/30/97	2	2	
FRSP0013	No	34480	THALLIUM DRY WGBTOTMG/KG	05/18/93-08/27/97	4	3	
FRSP0017	No	34480	THALLIUM DRY WGBTOTMG/KG	04/17/90-04/17/90	0	1	
FRSP0019	No	34480	THALLIUM DRY WGBTOTMG/KG	04/17/90-02/26/91	0	2	
FRSP0022	No	34480	THALLIUM DRY WGBTOTMG/KG	05/16/83-06/25/97	14	7	
FRSP0023	No	34480	THALLIUM DRY WGBTOTMG/KG	05/01/95-07/30/97	2	2	
FRSP0025	No	34480	THALLIUM DRY WGBTOTMG/KG	05/16/83-08/19/86	3	4	
FRSP0026	No	34480	THALLIUM DRY WGBTOTMG/KG	06/13/84-06/13/84	0	1	
FRSP0027	No	34480	THALLIUM DRY WGBTOTMG/KG	05/26/83-08/27/97	14	6	
FRSP0043	No	34480	THALLIUM DRY WGBTOTMG/KG	04/03/95-06/25/97	2	2	
FRSP0048	No	34480	THALLIUM DRY WGBTOTMG/KG	07/22/92-07/23/97	5	3	
FRSP0058	No	34480	THALLIUM DRY WGBTOTMG/KG	10/24/89-10/24/89	0	1	
FRSP0063	No	34480	THALLIUM DRY WGBTOTMG/KG	08/20/96-08/20/96	0	1	
FRSP0065	No	34480	THALLIUM DRY WGBTOTMG/KG	05/26/93-07/23/97	4	3	
FRSP0080	No	34480	THALLIUM DRY WGBTOTMG/KG	05/16/83-04/26/95	11	7	
FRSP0084	No	34480	THALLIUM DRY WGBTOTMG/KG	06/29/92-07/31/97	5	3	
FRSP0087	No	34480	THALLIUM DRY WGBTOTMG/KG	05/22/91-05/22/91	0	1	
FRSP0095	Yes	34480	THALLIUM DRY WGBTOTMG/KG	05/22/91-05/22/91	0	1	
FRSP0107	No	34480	THALLIUM DRY WGBTOTMG/KG	03/16/95-07/01/97	2	2	
FRSP0112	No	34480	THALLIUM DRY WGBTOTMG/KG	03/16/95-07/01/97	2	2	
FRSP0047	No	34488	TRICHLOROFLUOROMETHANE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34496	1,1-DICHLOROETHANE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34501	1,1-DICHLOROETHYLENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34511	1,1,2-TRICHLOROETHANE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34521	BENZO(GH)PERYLENE1,12-BENZOPERYLENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34536	1,2-DICHLOROBENZENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34541	1,2-DICHLOROPROPANE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34561	1,3-DICHLOROPROPENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34566	1,3-DICHLOROBENZENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34571	1,4-DICHLOROBENZENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34581	2-CHLORONAPHTHALENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34586	2-CHLOROPHENOL TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34591	2-NITROPHENOL TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34596	DI-N-OCTYL PHTHALATE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34601	2,4-DICHLOROPHENOL TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34606	2,4-DIMETHYLPHENOL TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34611	2,4-DINITROTOLUENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34616	2,4-DINITROPHENOL TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34626	2,6-DINITROTOLUENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34646	4-NITROPHENOL TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0010	No	34671	PCB - 1016 TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	34671	PCB - 1016 TOTWUG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	34671	PCB - 1016 TOTWUG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	34671	PCB - 1016 TOTWUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	34671	PCB - 1016 TOTWUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	34671	PCB - 1016 TOTWUG/L	07/17/85-08/11/93	8	3	

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Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0047	No	34671	PCB - 1016 TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	34671	PCB - 1016 TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	34671	PCB - 1016 TOTWUG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	34671	PCB - 1016 TOTWUG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	34671	PCB - 1016 TOTWUG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	34671	PCB - 1016 TOTWUG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	34671	PCB - 1016 TOTWUG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	34671	PCB - 1016 TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	34671	PCB - 1016 TOTWUG/L	09/07/93-09/07/93	0	1	
FRSP0047	No	34675	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD) TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	34696	NAPHTHALENE TOTWUG/L	09/07/78-09/07/78	0	1	
FRSP0010	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/07/86-07/07/86	0	1	
FRSP0022	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/10/85-07/09/86	0	2	
FRSP0025	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/17/85-07/22/86	1	2	
FRSP0055	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/10/85-07/09/86	0	2	
FRSP0010	No	38451	DICHLORPROP WATER,SUSPUG/L	07/07/86-07/07/86	0	1	
FRSP0022	No	38451	DICHLORPROP WATER,SUSPUG/L	07/10/85-07/09/86	0	2	
FRSP0025	No	38451	DICHLORPROP WATER,SUSPUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	38451	DICHLORPROP WATER,SUSPUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	38451	DICHLORPROP WATER,SUSPUG/L	07/17/85-07/22/86	1	2	
FRSP0055	No	38451	DICHLORPROP WATER,SUSPUG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	38451	DICHLORPROP WATER,SUSPUG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	38451	DICHLORPROP WATER,SUSPUG/L	07/10/85-07/09/86	0	2	
FRSP0084	No	38451	DICHLORPROP WATER,SUSPUG/L	09/28/93-09/28/93	0	1	
FRSP0010	No	38745	2,4-DB WATER, TOTUG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	38745	2,4-DB WATER, TOTUG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	38745	2,4-DB WATER, TOTUG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	38745	2,4-DB WATER, TOTUG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	38745	2,4-DB WATER, TOTUG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	38745	2,4-DB WATER, TOTUG/L	07/17/85-08/11/93	8	3	
FRSP0048	No	38745	2,4-DB WATER, TOTUG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	38745	2,4-DB WATER, TOTUG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	38745	2,4-DB WATER, TOTUG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	38745	2,4-DB WATER, TOTUG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	38745	2,4-DB WATER, TOTUG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	38745	2,4-DB WATER, TOTUG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	38745	2,4-DB WATER, TOTUG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	38745	2,4-DB WATER, TOTUG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/23/79-07/07/86	6	4	
FRSP0013	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/27/79-08/11/93	13	7	
FRSP0025	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/27/79-07/09/86	6	6	
FRSP0026	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/23/79-07/07/86	6	3	
FRSP0027	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/13/79-08/11/93	13	7	
FRSP0047	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/27/79-07/29/93	13	7	
FRSP0084	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0055	No	39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0084	No	39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0101	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/01/95-07/30/97	2	2	
FRSP0013	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/18/93-08/27/97	4	3	
FRSP0022	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/24/85-06/25/97	12	5	
FRSP0023	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/01/95-07/30/97	2	2	
FRSP0025	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/24/85-08/19/86	1	3	
FRSP0026	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/13/84-06/13/84	0	1	
FRSP0027	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	10/29/85-08/27/97	11	4	
FRSP0043	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	04/03/95-06/25/97	2	2	
FRSP0048	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	07/22/92-07/23/97	5	3	
FRSP0055	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	08/14/91-07/23/96	4	2	
FRSP0063	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	08/26/91-08/20/96	4	2	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0065	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	05/26/93-07/23/97	4	3	
FRSP0080	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/24/85-04/26/95	9	6	
FRSP0084	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/29/92-07/31/97	5	3	
FRSP0107	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	03/16/95-07/01/97	2	2	
FRSP0112	No	39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	03/16/95-07/01/97	2	2	
FRSP0110	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	1	4	
FRSP0010	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	1	4	
FRSP0010	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	1	4	
FRSP0010	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	1	4	
FRSP0045	No	39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO ₃ ,MG/L	11/20/87-04/28/94	6		35
FRSP0047	No	39100	BIS(2-ETHYLHEXYL) PHTHALATE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0047	No	39175	VINYLCHLORIDE-WHOLE WATER SAMPLE-UG/L	09/07/78-09/07/78	0	1	
FRSP0047	No	39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/07/78-09/07/78	0	1	
FRSP0010	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	4	
FRSP0013	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	13	7	
FRSP0025	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	6	
FRSP0026	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	3	
FRSP0027	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	13	7	
FRSP0047	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	13	7	
FRSP0084	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0010	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	4	
FRSP0013	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	13	7	
FRSP0025	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	6	
FRSP0026	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	3	
FRSP0027	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	13	7	
FRSP0047	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	13	7	
FRSP0084	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39315	O,P'DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	3	

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From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0022	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0010	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	4	
FRSP0013	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	13	7	
FRSP0025	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	6	
FRSP0026	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	3	
FRSP0027	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	13	7	
FRSP0047	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	13	7	
FRSP0084	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0010	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	7	
FRSP0013	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	13	10	
FRSP0025	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	9	
FRSP0026	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	6	
FRSP0027	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	13	9	
FRSP0047	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	13	10	
FRSP0084	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/30/81-07/30/97	16	4	
FRSP0013	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/18/93-08/27/97	4	3	
FRSP0022	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/29/81-06/25/97	16	6	
FRSP0023	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0025	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/29/81-06/06/84	3	4	
FRSP0026	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/30/81-06/23/82	1	2	
FRSP0027	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/09/81-08/27/97	16	6	
FRSP0043	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/03/95-06/25/97	2	2	
FRSP0048	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/92-07/23/97	5	3	
FRSP0055	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/23/96-07/23/96	0	1	
FRSP0063	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/20/96-08/20/96	0	1	
FRSP0065	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/26/93-07/23/97	4	3	
FRSP0080	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/29/81-04/26/95	13	4	
FRSP0084	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/29/92-07/31/97	5	3	
FRSP0107	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0112	No	39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0010	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	0	1	
FRSP0013	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/11/93-08/11/93	0	1	
FRSP0022	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-08/11/93	8	3	
FRSP0025	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-07/09/86	0	2	
FRSP0026	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	0	1	
FRSP0027	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/17/85-08/11/93	8	3	
FRSP0047	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/78-09/07/78	0	1	
FRSP0048	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/22/93-07/22/93	0	1	
FRSP0055	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/14/91-07/23/96	4	3	
FRSP0063	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/20/96-08/20/96	0	1	
FRSP0065	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/22/93-07/22/93	0	1	
FRSP0080	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-07/29/93	8	3	
FRSP0084	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/28/93-09/28/93	0	1	
FRSP0107	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/93-09/07/93	0	1	
FRSP0112	No	39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/93-09/07/93	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0010	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	0	1	
FRSP0013	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/11/93-08/11/93	0	1	
FRSP0022	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-08/11/93	8	3	
FRSP0025	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-07/09/86	0	2	
FRSP0026	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	0	1	
FRSP0027	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/17/85-08/11/93	8	3	
FRSP0047	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/78-09/07/78	0	1	
FRSP0048	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/22/93-07/22/93	0	1	
FRSP0055	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/14/91-07/23/96	4	3	
FRSP0063	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/20/96-08/20/96	0	1	
FRSP0065	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/22/93-07/22/93	0	1	
FRSP0080	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-07/29/93	8	3	
FRSP0084	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/28/93-09/28/93	0	1	
FRSP0107	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/93-09/07/93	0	1	
FRSP0112	No	39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/93-09/07/93	0	1	
FRSP0110	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/07/86-07/07/86	0	1	
FRSP0113	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/23/79-08/27/81	1	3	
FRSP0022	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/27/79-08/12/81	1	4	
FRSP0025	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/27/79-08/12/81	1	4	
FRSP0026	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/23/79-08/27/81	1	2	
FRSP0027	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/13/79-09/30/81	2	4	
FRSP0047	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/07/78-09/07/78	0	1	
FRSP0055	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/27/79-08/12/81	1	4	
FRSP0084	No	39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/28/93-09/28/93	0	1	
FRSP0100	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/01/95-07/30/97	2	2	
FRSP0013	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/18/93-08/27/97	4	3	
FRSP0022	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/85-06/25/97	12	5	
FRSP0023	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/01/95-07/30/97	2	2	
FRSP0025	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/85-08/19/86	1	3	
FRSP0026	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/13/84-06/13/84	0	1	
FRSP0027	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/29/85-08/27/97	11	4	
FRSP0043	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	04/03/95-06/25/97	2	2	
FRSP0048	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	07/22/92-07/23/97	5	3	
FRSP0055	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	08/14/91-07/23/96	4	2	
FRSP0063	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	08/26/91-08/20/96	4	2	
FRSP0065	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	05/26/93-07/23/97	4	3	
FRSP0080	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/85-04/26/95	9	6	
FRSP0084	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/29/92-07/31/97	5	3	
FRSP0107	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	03/16/95-07/01/97	2	2	
FRSP0112	No	39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	03/16/95-07/01/97	2	2	
FRSP0010	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0013	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/18/93-08/27/97	4	3	
FRSP0022	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	12	5	
FRSP0023	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0025	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	1	3	
FRSP0026	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	0	1	
FRSP0027	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	11	4	
FRSP0043	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/03/95-06/25/97	2	2	
FRSP0048	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/92-07/23/97	5	3	
FRSP0055	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	4	2	
FRSP0063	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	4	2	
FRSP0065	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/26/93-07/23/97	4	3	
FRSP0080	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	9	6	
FRSP0084	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/29/92-07/31/97	5	3	
FRSP0107	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0112	No	39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0040	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	04/25/71-04/25/71	0	1	
FRSP0048	No	39365	DDE IN WHOLE WATER SAMPLE (UG/L)	07/11/71-07/11/71	0	1	
FRSP0010	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0013	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/18/93-08/27/97	4	3	
FRSP0022	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	12	5	
FRSP0023	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0025	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	1	3	
FRSP0026	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	0	1	
FRSP0027	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	11	4	
FRSP0043	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/03/95-06/25/97	2	2	
FRSP0048	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/92-07/23/97	5	3	
FRSP0055	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	4	2	
FRSP0063	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	4	2	
FRSP0065	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/26/93-07/23/97	4	3	
FRSP0080	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	9	6	
FRSP0084	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/29/92-07/31/97	5	3	
FRSP0107	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0112	No	39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0010	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0013	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/18/93-08/27/97	4	3	
FRSP0022	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	12	5	
FRSP0023	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0025	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	1	3	
FRSP0026	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	0	1	
FRSP0027	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	11	4	
FRSP0043	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/03/95-06/25/97	2	2	
FRSP0048	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/92-07/23/97	5	3	
FRSP0055	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	4	2	
FRSP0063	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	4	2	
FRSP0065	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/26/93-07/23/97	4	3	
FRSP0080	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	9	6	
FRSP0084	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/29/92-07/31/97	5	3	
FRSP0107	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0112	No	39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0008	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/02/71-07/02/71	0	1	
FRSP0010	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	4	
FRSP0013	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	13	7	
FRSP0025	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	6	
FRSP0026	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	3	
FRSP0027	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	13	7	
FRSP0047	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	13	7	
FRSP0084	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/01/95-07/30/97	2	2	
FRSP0013	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/18/93-08/27/97	4	3	
FRSP0022	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-06/25/97	12	5	
FRSP0023	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/01/95-07/30/97	2	2	
FRSP0025	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-08/19/86	1	3	
FRSP0026	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/13/84-06/13/84	0	1	
FRSP0027	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/29/85-08/27/97	11	4	
FRSP0043	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	04/03/95-06/25/97	2	2	
FRSP0048	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/22/92-07/23/97	5	3	
FRSP0055	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/14/91-07/23/96	4	2	
FRSP0063	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/26/91-08/20/96	4	2	
FRSP0065	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/26/93-07/23/97	4	3	
FRSP0080	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-04/26/95	9	6	
FRSP0084	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/29/92-07/31/97	5	3	
FRSP0107	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	03/16/95-07/01/97	2	2	
FRSP0112	No	39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	03/16/95-07/01/97	2	2	
FRSP0010	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	4	
FRSP0013	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	13	7	
FRSP0025	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	6	
FRSP0026	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	3	
FRSP0027	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	13	7	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0040	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12/14/71-12/14/71	0	1	
FRSP0047	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	13	7	
FRSP0084	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0013	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/18/93-08/27/97	4	3	
FRSP0022	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	12	5	
FRSP0023	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0025	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	1	3	
FRSP0026	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	0	1	
FRSP0027	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	11	4	
FRSP0043	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/03/95-06/25/97	2	2	
FRSP0048	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	07/22/92-07/23/97	5	3	
FRSP0055	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	4	2	
FRSP0063	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	4	2	
FRSP0065	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	05/26/93-07/23/97	4	3	
FRSP0080	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	9	6	
FRSP0084	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/29/92-07/31/97	5	3	
FRSP0107	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0112	No	39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0010	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0013	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	8	3	
FRSP0025	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	0	2	
FRSP0026	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0027	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	8	3	
FRSP0047	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	8	3	
FRSP0084	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/01/95-07/30/97	2	2	
FRSP0013	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/18/93-08/27/97	4	3	
FRSP0022	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-06/25/97	12	5	
FRSP0023	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/01/95-07/30/97	2	2	
FRSP0025	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-08/19/86	1	3	
FRSP0026	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/13/84-06/13/84	0	1	
FRSP0027	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/29/85-08/27/97	11	4	
FRSP0043	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	04/03/95-06/25/97	2	2	
FRSP0048	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	07/22/92-07/23/97	5	3	
FRSP0055	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/14/91-07/23/96	4	2	
FRSP0063	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/26/91-08/20/96	4	2	
FRSP0065	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	05/26/93-07/23/97	4	3	
FRSP0080	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-04/26/95	9	6	
FRSP0084	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/29/92-07/31/97	5	3	
FRSP0107	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	03/16/95-07/01/97	2	2	
FRSP0112	No	39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	03/16/95-07/01/97	2	2	
FRSP0010	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0013	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	8	3	
FRSP0025	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	0	2	
FRSP0026	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0027	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	8	3	
FRSP0047	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	8	3	
FRSP0084	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	

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Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0010	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0013	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/18/93-08/27/97	4	3	
FRSP0022	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	12	5	
FRSP0023	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/01/95-07/30/97	2	2	
FRSP0025	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	1	3	
FRSP0026	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	0	1	
FRSP0027	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	11	4	
FRSP0043	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	04/03/95-06/25/97	2	2	
FRSP0048	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	07/22/92-07/23/97	5	3	
FRSP0055	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	4	2	
FRSP0063	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	4	2	
FRSP0065	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	05/26/93-07/23/97	4	3	
FRSP0080	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	9	6	
FRSP0084	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/29/92-07/31/97	5	3	
FRSP0107	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0112	No	39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	03/16/95-07/01/97	2	2	
FRSP0110	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0013	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	8	3	
FRSP0025	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	0	2	
FRSP0026	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0027	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	8	3	
FRSP0047	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0048	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	4	3	
FRSP0063	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	8	3	
FRSP0084	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	2	4	
FRSP0080	No	39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0010	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0027	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0047	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	0	1	
FRSP0055	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0084	No	39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0010	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0013	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	8	3	
FRSP0047	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	0	1	
FRSP0048	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	4	3	
FRSP0063	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	0	1	
FRSP0010	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	3	
FRSP0013	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	13	5	
FRSP0025	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	13	5	
FRSP0048	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
FRSP0063	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	13	5	
FRSP0084	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	05/01/95-07/30/97	2	2	
FRSP0013	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	05/18/93-08/27/97	4	3	
FRSP0022	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/24/85-06/25/97	12	5	
FRSP0023	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	05/01/95-07/30/97	2	2	
FRSP0025	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/24/85-08/19/86	1	3	
FRSP0026	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/13/84-06/13/84	0	1	
FRSP0027	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	10/29/85-08/27/97	11	4	
FRSP0043	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	04/03/95-06/25/97	2	2	
FRSP0048	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	07/22/92-07/23/97	5	3	
FRSP0055	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	08/14/91-07/23/96	4	2	
FRSP0063	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	08/26/91-08/20/96	4	2	
FRSP0065	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	05/26/93-07/23/97	4	3	
FRSP0080	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/24/85-04/26/95	9	6	
FRSP0084	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/29/92-07/31/97	5	3	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0107	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	03/16/95-07/01/97	2	2	
FRSP0112	No	39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	03/16/95-07/01/97	2	2	
FRSP0055	No	39560	DEMETON IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
FRSP0063	No	39560	DEMETON IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0010	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/06/82-07/12/84	2	3	
FRSP0022	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	09/20/82-08/21/84	1	3	
FRSP0025	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	09/20/82-08/21/84	1	3	
FRSP0026	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/06/82-07/12/84	2	3	
FRSP0027	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	09/23/82-07/30/84	1	2	
FRSP0036	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/15/71-07/15/71	0	1	
FRSP0080	No	39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	05/25/78-08/21/84	6	4	
FRSP0010	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/30/81-06/23/82	1	2	
FRSP0022	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/29/81-06/06/84	3	4	
FRSP0025	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/29/81-06/06/84	3	4	
FRSP0026	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/30/81-06/23/82	1	2	
FRSP0027	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/09/81-05/16/84	3	4	
FRSP0080	No	39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/29/81-06/06/84	3	3	
FRSP0010	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	3	
FRSP0022	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0025	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0026	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	1	2	
FRSP0027	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	2	4	
FRSP0047	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	0	1	
FRSP0080	No	39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	1	4	
FRSP0047	No	39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	09/07/78-09/07/78	0	1	
FRSP0010	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0013	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	8	3	
FRSP0025	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	0	2	
FRSP0026	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0027	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	8	3	
FRSP0048	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
FRSP0063	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	8	3	
FRSP0084	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0110	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0013	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	8	3	
FRSP0025	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	0	2	
FRSP0026	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0027	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	8	3	
FRSP0048	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
FRSP0063	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	8	3	
FRSP0084	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0010	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0013	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	0	1	
FRSP0022	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	8	3	
FRSP0025	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	0	2	
FRSP0026	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	0	1	
FRSP0027	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	8	3	
FRSP0048	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0055	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	0	1	
FRSP0063	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	0	1	
FRSP0065	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	0	1	
FRSP0080	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	8	3	
FRSP0084	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	0	1	
FRSP0107	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0112	No	39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	0	1	
FRSP0022	No	39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	05/19/74-05/19/74	0	1	
FRSP0013	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	02/17/93-09/15/94	1	2	
FRSP0022	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	02/17/93-09/15/94	1	2	
FRSP0027	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	02/17/93-09/15/94	1	2	
FRSP0043	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	07/21/94-07/21/94	0	1	

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Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0048	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/24/93-07/14/94	1	2	
FRSP0065	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/24/93-07/14/94	1	2	
FRSP0080	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/25/93-07/21/94	1	2	
FRSP0107	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/02/93-09/29/94	1	2	
FRSP0112	No	46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/02/93-09/29/94	1	2	
FRSP0033	No	49567	PHOSPHOROUS PARTICULATE, FIELD FILT.,SUSP,WTR MG/L	03/14/95-12/10/98	3	59	
FRSP0033	No	49569	CARBON PARICULATE, FIELD FILTERED, SUSP., WTR MG/L	03/14/95-12/10/98	3	59	
FRSP0033	No	49570	NITROGEN PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	3	57	
FRSP0033	No	49571	NITROGEN TOTAL, FIELD FILTERED, DISSOLVED,WTR MG/L	03/14/95-12/10/98	3	59	
FRSP0033	No	49572	PHOSPHOROUS TOTAL, FIELD FILTRED, DISSLVD,WTR MG/L	03/14/95-12/10/98	3	59	
FRSP0008	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/20/76-07/20/76	0	1	
FRSP0010	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/24/76-08/27/87	11	27	
FRSP0018	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	10/06/75-08/15/78	2	7	
FRSP0020	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/09/75-08/09/75	0	1	
FRSP0022	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/08/72-04/18/88	15	73	
FRSP0023	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/11/76-05/08/79	2	9	
FRSP0025	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	04/29/81-09/10/85	4	8	
FRSP0026	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/11/76-04/22/85	8	18	
FRSP0027	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/09/75-07/22/87	11	12	
FRSP0028	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/08/72-07/21/76	3	2	
FRSP0036	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/19/74-08/09/75	1	2	
FRSP0040	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/09/75-08/09/75	0	1	
FRSP0048	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/19/74-06/27/79	4	12	
FRSP0049	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/12/74-04/24/78	3	5	
FRSP0058	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	07/03/74-08/10/87	13	2	
FRSP0080	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/04/75-04/11/84	8	8	
FRSP0107	No	50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/05/75-05/05/75	0	1	
FRSP0109	No	50760	CHLORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	09/01/77-09/01/77	0	1	
FRSP0109	No	50761	BROMINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	09/01/77-09/01/77	0	1	
FRSP0045	No	60050	ALGAE, TOTAL (CELLS/ML)	07/31/78-05/08/81	2	11	
FRSP0029	Yes	61272	INVALID PARAMETER	09/25/95-12/01/95	0	2	
FRSP0031	Yes	61272	INVALID PARAMETER	09/22/95-02/15/96	0	4	
FRSP0035	Yes	61272	INVALID PARAMETER	09/25/95-12/01/95	0	2	
FRSP0062	Yes	61272	INVALID PARAMETER	10/23/95-12/04/95	0	2	
FRSP0078	No	61272	INVALID PARAMETER	02/02/93-02/15/96	3	33	
FRSP0088	No	61272	INVALID PARAMETER	02/02/93-10/27/95	2	36	
FRSP0089	No	61272	INVALID PARAMETER	02/02/93-04/04/96	3	34	
FRSP0092	Yes	61272	INVALID PARAMETER	02/02/93-04/18/96	3	30	
FRSP0093	Yes	61272	INVALID PARAMETER	02/03/93-08/28/95	2	25	
FRSP0094	Yes	61272	INVALID PARAMETER	02/02/93-04/18/96	3	39	
FRSP0029	Yes	61277	INVALID PARAMETER	09/25/95-12/01/95	0	2	
FRSP0031	Yes	61277	INVALID PARAMETER	09/22/95-02/15/96	0	4	
FRSP0035	Yes	61277	INVALID PARAMETER	09/25/95-12/01/95	0	2	
FRSP0062	Yes	61277	INVALID PARAMETER	10/23/95-12/04/95	0	2	
FRSP0078	No	61277	INVALID PARAMETER	03/02/93-02/15/96	2	28	
FRSP0088	No	61277	INVALID PARAMETER	03/02/93-10/27/95	2	31	
FRSP0089	No	61277	INVALID PARAMETER	03/02/93-04/04/96	3	29	
FRSP0092	Yes	61277	INVALID PARAMETER	03/02/93-04/11/96	3	24	
FRSP0093	Yes	61277	INVALID PARAMETER	03/02/93-08/28/95	2	21	
FRSP0094	Yes	61277	INVALID PARAMETER	03/02/93-04/11/96	3	31	
FRSP0029	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/25/95-12/01/95	0	2	
FRSP0031	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/22/95-12/01/95	0	2	
FRSP0035	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/25/95-12/01/95	0	2	
FRSP0045	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	25	320	T,S
FRSP0062	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/95-12/04/95	0	2	
FRSP0078	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/14/93-03/21/96	3	35	
FRSP0086	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/89-03/30/91	1	3	
FRSP0088	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/20/93-10/27/95	2	37	
FRSP0089	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/20/93-04/11/96	3	38	
FRSP0092	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/20/93-04/25/96	3	32	
FRSP0093	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/20/93-08/28/95	2	27	
FRSP0094	Yes	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/20/93-04/18/96	3	40	
FRSP0097	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/89-03/30/91	1	3	
FRSP0101	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/89-03/30/91	1	3	
FRSP0106	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/25/89-03/30/91	1	3	
FRSP0111	No	70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/25/89-03/30/91	1	3	
FRSP0045	No	70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	18	263	
FRSP0045	No	70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	14	197	
FRSP0045	No	70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	15	262	
FRSP0045	No	70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/30/77-08/23/93	15	100	
FRSP0002	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/13/70-10/06/75	5	37	
FRSP0008	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/13/70-06/13/79	9	58	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0010	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/11/76-06/13/79	3	19	
FRSP0012	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/13/70-10/06/75	5	37	
FRSP0015	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/13/70-08/28/74	4	29	
FRSP0018	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/26/74-06/13/79	4	27	
FRSP0020	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/06/75-06/27/79	4	41	
FRSP0022	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	9	101	
FRSP0023	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/11/76-06/13/79	3	20	
FRSP0025	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/07/78-05/01/79	1	8	
FRSP0026	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	9	79	
FRSP0027	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	4	50	
FRSP0028	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	7	68	
FRSP0036	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	5	59	
FRSP0040	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/04/79	9	52	
FRSP0048	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/27/79	9	75	
FRSP0049	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/12/72-06/27/79	7	71	
FRSP0058	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/09/73-05/22/79	6	37	
FRSP0072	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	06/03/76-06/04/79	3	17	
FRSP0080	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10/15/74-06/04/79	4	49	
FRSP0107	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/09/74-05/03/79	4	29	
FRSP0112	No	70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/27/76-05/03/79	2	19	
FRSP0002	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-10/06/75	5	37	
FRSP0003	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	26	
FRSP0004	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	26	
FRSP0005	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	26	
FRSP0006	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	26	
FRSP0008	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-06/13/79	9	58	
FRSP0010	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	22	60	
FRSP0012	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-10/06/75	5	37	
FRSP0013	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/14/92-11/23/98	6	28	
FRSP0015	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-08/28/74	4	29	
FRSP0018	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/26/74-06/13/79	4	27	
FRSP0020	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/06/75-06/27/79	4	42	
FRSP0022	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	28	130	S
FRSP0023	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	22	61	
FRSP0025	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/07/78-05/01/79	1	8	
FRSP0026	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	9	79	
FRSP0027	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	24	78	
FRSP0028	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	7	68	
FRSP0032	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/12/70-06/25/70	0	5	
FRSP0033	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/94-07/08/94	0	1	
FRSP0036	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	5	59	
FRSP0040	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/04/79	9	52	
FRSP0043	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/94-11/23/98	4	25	
FRSP0045	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/01/71-08/26/92	20	74	
FRSP0048	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	28	136	T,S
FRSP0049	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/12/72-06/27/79	7	71	
FRSP0055	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/23/96-07/23/96	0	1	
FRSP0057	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/23/96-07/23/96	0	1	
FRSP0058	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/09/73-05/22/79	6	38	
FRSP0060	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	26	
FRSP0061	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	26	
FRSP0063	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/20/96-08/20/96	0	1	
FRSP0065	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/92-12/17/98	6	59	
FRSP0070	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/20/96-08/20/96	0	1	
FRSP0071	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/20/96-08/20/96	0	1	
FRSP0072	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/03/76-06/04/79	3	17	
FRSP0074	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	25	
FRSP0075	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	25	
FRSP0076	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/17/93-11/18/94	0	17	
FRSP0077	Yes	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	0	22	
FRSP0080	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	24	122	
FRSP0084	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/29/92-10/21/98	6	19	
FRSP0086	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/24/89-03/30/91	1	3	
FRSP0097	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/24/89-03/30/91	1	3	
FRSP0101	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/24/89-03/30/91	1	3	
FRSP0106	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/25/89-03/30/91	1	3	
FRSP0107	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/09/74-11/04/98	24	53	
FRSP0111	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/25/89-03/30/91	1	3	
FRSP0112	No	70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/27/76-11/04/98	22	42	
FRSP0045	No	71825	ACIDITY, TOTAL (MGL AS H)	06/14/84-06/14/84	0	1	
FRSP0045	No	71845	NITROGEN, AMMONIA, TOTAL (MGL AS NH4)	04/25/79-01/13/81	1	13	
FRSP0045	No	71846	NITROGEN, AMMONIA, DISSOLVED (MGL AS NH4)	10/05/79-12/04/85	6	23	

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Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0014	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/21/86-04/04/86	0	2	
FRSP0024	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/21/86-04/04/86	0	2	
FRSP0045	No	71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/04/67-08/15/74	6	204	
FRSP0045	No	71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	05/15/74-08/15/74	0	7	
FRSP0014	No	71885	IRON (UG/L AS FE)	03/21/86-04/04/86	0	2	
FRSP0024	No	71885	IRON (UG/L AS FE)	03/21/86-04/04/86	0	2	
FRSP0045	No	71885	IRON (UG/L AS FE)	10/04/67-09/21/68	0	27	
FRSP0001	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/29/70-08/28/70	0	2	
FRSP0007	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/29/70-08/28/70	0	2	
FRSP0011	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/29/70-08/28/70	0	2	
FRSP0016	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/28/70-08/28/70	0	1	
FRSP0045	No	71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/25/79-12/04/85	6	38	
FRSP0045	No	71887	NITROGEN, TOTAL, AS NO3 - MG/L	01/31/78-05/08/81	3	25	
FRSP0033	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	10/26/98-10/26/98	0	1	
FRSP0045	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/30/77-04/23/91	13	48	
FRSP0055	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	07/23/96-07/23/96	0	1	
FRSP0063	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	08/20/96-08/20/96	0	1	
FRSP0065	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	12/17/98-12/17/98	0	1	
FRSP0080	No	71890	MERCURY, DISSOLVED (UG/L AS HG)	05/20/97-05/21/98	1	2	
FRSP0045	No	71895	MERCURY, SUSPENDED (UG/L AS HG)	12/30/77-12/17/81	3	5	
FRSP0002	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/03/70-10/06/75	5	11	
FRSP0008	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/03/70-05/02/77	6	14	
FRSP0010	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/02/77-07/07/86	9	7	
FRSP0012	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/03/70-10/06/75	5	13	
FRSP0013	No	71900	MERCURY, TOTAL (UG/L AS HG)	02/17/93-09/15/94	1	2	
FRSP0015	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/03/70-05/08/74	3	11	
FRSP0017	No	71900	MERCURY, TOTAL (UG/L AS HG)	06/06/85-04/17/90	4	2	
FRSP0018	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/29/75-05/02/77	1	3	
FRSP0019	No	71900	MERCURY, TOTAL (UG/L AS HG)	04/17/90-02/26/91	0	2	
FRSP0020	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/06/75-04/16/79	3	7	
FRSP0022	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-09/15/94	24	32	
FRSP0023	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/02/77-05/02/77	0	1	
FRSP0025	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/07/78-07/09/86	8	10	
FRSP0026	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-07/07/86	15	23	
FRSP0027	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/06/75-09/15/94	19	19	
FRSP0028	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-03/17/77	6	14	
FRSP0036	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-10/21/75	5	16	
FRSP0040	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-04/10/79	8	21	
FRSP0043	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/06/84-07/21/94	10	2	
FRSP0045	No	71900	MERCURY, TOTAL (UG/L AS HG)	12/30/77-07/12/82	4	12	
FRSP0047	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/07/78-09/07/78	0	1	
FRSP0048	No	71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-06/10/91	20	22	
FRSP0049	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/12/72-06/10/91	19	14	
FRSP0055	No	71900	MERCURY, TOTAL (UG/L AS HG)	08/14/91-08/14/91	0	2	
FRSP0058	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/17/73-10/24/89	16	7	
FRSP0065	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/24/89-10/24/89	0	1	
FRSP0072	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/31/77-04/10/79	2	5	
FRSP0080	No	71900	MERCURY, TOTAL (UG/L AS HG)	10/22/75-07/21/94	18	15	
FRSP0086	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/24/89-03/30/91	1	3	
FRSP0087	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/22/91-05/22/91	0	1	
FRSP0095	Yes	71900	MERCURY, TOTAL (UG/L AS HG)	05/22/91-05/22/91	0	1	
FRSP0097	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/24/89-03/30/91	1	3	
FRSP0101	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/24/89-03/30/91	1	3	
FRSP0103	No	71900	MERCURY, TOTAL (UG/L AS HG)	03/10/81-03/10/81	0	1	
FRSP0106	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/25/89-03/30/91	1	3	
FRSP0107	No	71900	MERCURY, TOTAL (UG/L AS HG)	11/01/74-09/29/94	19	8	
FRSP0111	No	71900	MERCURY, TOTAL (UG/L AS HG)	07/25/89-03/30/91	1	3	
FRSP0112	No	71900	MERCURY, TOTAL (UG/L AS HG)	05/23/77-09/29/94	17	6	
FRSP0008	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0010	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-07/30/97	20	5	
FRSP0013	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/18/93-08/27/97	4	3	
FRSP0017	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/06/85-04/17/90	4	2	
FRSP0018	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-06/29/77	0	1	
FRSP0019	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/17/90-02/26/91	0	2	
FRSP0022	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/16/80-06/25/97	17	10	
FRSP0023	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-07/30/97	20	3	
FRSP0025	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/16/80-08/19/86	6	7	
FRSP0026	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-06/23/82	4	3	
FRSP0027	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/09/81-08/27/97	16	8	
FRSP0043	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/06/84-06/25/97	13	3	
FRSP0048	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	07/22/92-07/23/97	5	3	
FRSP0055	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/14/91-07/23/96	4	2	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0058	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/24/89-10/24/89	0	1	
FRSP0063	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/20/96-08/20/96	0	1	
FRSP0065	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/26/93-07/23/97	4	3	
FRSP0080	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/16/80-04/26/95	14	10	
FRSP0084	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/92-07/31/97	5	3	
FRSP0085	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/19/91-08/19/91	0	1	
FRSP0086	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0087	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0090	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/20/91-08/20/91	0	1	
FRSP0091	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/19/91-08/19/91	0	1	
FRSP0095	Yes	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/22/91-05/22/91	0	1	
FRSP0097	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/05/89-08/19/91	1	2	
FRSP0101	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0103	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/10/81-03/10/81	0	1	
FRSP0105	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/20/91-08/20/91	0	1	
FRSP0106	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/05/89-09/05/89	0	1	
FRSP0107	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0111	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/89-09/06/89	0	1	
FRSP0112	No	71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/16/95-07/01/97	2	2	
FRSP0080	No	71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/16/91-07/16/91	0	3	
FRSP0080	No	71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/16/91-07/16/91	0	3	
FRSP0080	No	71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/16/91-07/16/91	0	3	
FRSP0080	No	71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/16/91-07/16/91	0	3	
FRSP0080	No	71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	07/16/91-07/16/91	0	3	
FRSP0080	No	71940	CADMUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/16/91-07/16/91	0	3	
FRSP0033	No	71994	VOLUME OF WATER FILTERED LITERS	10/07/98-10/07/98	0	2	
FRSP0014	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/21/86-04/04/86	0	2	
FRSP0024	No	72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/21/86-04/04/86	0	2	
FRSP0010	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	05/01/95-07/30/97	2	2	
FRSP0013	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	05/18/93-08/27/97	4	3	
FRSP0022	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	04/03/95-06/25/97	2	2	
FRSP0023	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	05/01/95-07/30/97	2	2	
FRSP0027	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	04/03/95-08/27/97	2	2	
FRSP0043	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	04/03/95-06/25/97	2	2	
FRSP0048	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	07/22/92-07/23/97	5	3	
FRSP0055	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	08/14/91-07/23/96	4	2	
FRSP0063	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	08/26/91-08/20/96	4	2	
FRSP0065	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	05/26/93-07/23/97	4	3	
FRSP0080	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	07/15/91-04/26/95	3	2	
FRSP0084	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	06/29/92-07/31/97	5	3	
FRSP0107	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	03/16/95-07/01/97	2	2	
FRSP0112	No	75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	03/16/95-07/01/97	2	2	
FRSP0110	No	77825	ALACHLOR WHOLE WATER,UG/L	07/07/86-07/07/86	0	1	
FRSP0113	No	77825	ALACHLOR WHOLE WATER,UG/L	08/11/93-08/11/93	0	1	
FRSP0022	No	77825	ALACHLOR WHOLE WATER,UG/L	07/10/85-08/11/93	8	3	
FRSP0025	No	77825	ALACHLOR WHOLE WATER,UG/L	07/10/85-07/09/86	0	2	
FRSP0026	No	77825	ALACHLOR WHOLE WATER,UG/L	07/07/86-07/07/86	0	1	
FRSP0027	No	77825	ALACHLOR WHOLE WATER,UG/L	07/17/85-08/11/93	8	3	
FRSP0048	No	77825	ALACHLOR WHOLE WATER,UG/L	07/22/93-07/22/93	0	1	
FRSP0055	No	77825	ALACHLOR WHOLE WATER,UG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	77825	ALACHLOR WHOLE WATER,UG/L	08/20/96-08/20/96	0	1	
FRSP0065	No	77825	ALACHLOR WHOLE WATER,UG/L	07/22/93-07/22/93	0	1	
FRSP0080	No	77825	ALACHLOR WHOLE WATER,UG/L	07/10/85-07/29/93	8	3	
FRSP0084	No	77825	ALACHLOR WHOLE WATER,UG/L	09/28/93-09/28/93	0	1	
FRSP0107	No	77825	ALACHLOR WHOLE WATER,UG/L	09/07/93-09/07/93	0	1	
FRSP0112	No	77825	ALACHLOR WHOLE WATER,UG/L	09/07/93-09/07/93	0	1	
FRSP0110	No	77999	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	05/01/95-07/30/97	2	2	
FRSP0013	No	77999	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	05/18/93-08/27/97	4	3	
FRSP0022	No	77999	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	04/03/95-06/25/97	2	2	
FRSP0023	No	77999	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	05/01/95-07/30/97	2	2	
FRSP0027	No	77999	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	04/03/95-08/27/97	2	2	
FRSP0043	No	77999	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	04/03/95-06/25/97	2	2	
FRSP0048	No	77999	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	07/22/92-07/23/97	5	3	
FRSP0055	No	77999	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	08/14/91-07/23/96	4	2	
FRSP0063	No	77999	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	08/26/91-08/20/96	4	2	
FRSP0065	No	77999	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	05/26/93-07/23/97	4	3	
FRSP0080	No	77999	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	07/15/91-04/26/95	3	2	
FRSP0084	No	77999	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	06/29/92-07/31/97	5	3	
FRSP0107	No	77999	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	03/16/95-07/01/97	2	2	
FRSP0112	No	77999	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	03/16/95-07/01/97	2	2	
FRSP012	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/30/77-08/23/93	15	106	
FRSP0106	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/03/90-10/03/90	0	1	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station/Parameter Period of Record Tabulation
From 10/04/67 To 12/17/98

Station	In Park	Code	Name	Start - End	Years	Obs	Plots ¹
FRSP0110	No	80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/03/90-10/03/90	0	1	
FRSP0045	No	80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/30/77-11/05/85	7	23	
FRSP0014	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	03/21/86-04/04/86	0	2	
FRSP0024	No	81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)	03/21/86-04/04/86	0	2	
FRSP0055	No	81281	KEPONE(C10CL10O) WHOLE WATER SAMPLE UG/L	07/23/96-07/23/96	0	1	
FRSP0063	No	81281	KEPONE(C10CL10O) WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	0	1	
FRSP0080	No	81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/16/91-07/16/91	0	3	
FRSP0080	No	81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	07/16/91-07/16/91	0	3	
FRSP0013	No	82032	CALCIUM - TOTAL UG/L (AS CA)	02/17/93-02/17/93	0	1	
FRSP0022	No	82032	CALCIUM - TOTAL UG/L (AS CA)	02/17/93-02/17/93	0	1	
FRSP0027	No	82032	CALCIUM - TOTAL UG/L (AS CA)	02/17/93-02/17/93	0	1	
FRSP0107	No	82032	CALCIUM - TOTAL UG/L (AS CA)	03/02/93-03/02/93	0	1	
FRSP0112	No	82032	CALCIUM - TOTAL UG/L (AS CA)	03/02/93-03/02/93	0	1	
FRSP0080	No	82036	CALCIUM-DISSOLVED UG/L (AS CA)	05/20/97-05/20/97	0	1	
FRSP0055	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	07/23/96-07/23/96	0	1	
FRSP0063	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	08/20/96-08/20/96	0	1	
FRSP0080	No	82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	05/20/97-05/20/97	0	1	
FRSP0045	No	82068	POTASSIUM 40, DISSOLVED, K-40 PC/LITER	03/09/81-05/08/81	0	2	
FRSP0013	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-05/31/94	2	9	
FRSP0022	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-05/31/94	2	9	
FRSP0027	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-05/31/94	2	9	
FRSP0043	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/24/94-06/23/94	0	4	
FRSP0048	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/20/92-06/22/94	2	23	
FRSP0065	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/20/92-06/22/94	2	23	
FRSP0080	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-06/23/94	2	24	
FRSP0084	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/29/92-03/31/94	1	5	
FRSP0107	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/24/92-03/16/94	1	8	
FRSP0112	No	82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/24/92-03/16/94	1	8	
FRSP0014	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/21/86-04/04/86	0	2	
FRSP0024	No	82079	TURBIDITY,LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/04/86-04/04/86	0	1	
FRSP0109	No	82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	09/01/77-09/01/77	0	1	
FRSP0045	No	82398	SAMPLING METHOD (CODES)	03/27/78-08/23/93	15	41	
FRSP0014	No	83509	STREAM, WIDTH METER	03/21/86-04/04/86	0	2	
FRSP0024	No	83509	STREAM, WIDTH METER	03/21/86-04/04/86	0	2	
FRSP0080	No	84007	ANATOMY ALPHA CODE	07/16/91-07/16/91	0	3	

¹T=Times Series Plot, A=Annual Plot, and S=Seasonal Plot

Station-By-Station Results

Station Inventory for Station: FRSP0001

NPS Station ID: FRSP0001
 Location: FOX SPRING "116" R03
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: NORTH ATLANTIC
 Minor Basin: RAPPAHANNOCK & YORK RIVERS
 RF1 Index: 02080104041
 RF3 Index:
 Description:

LAT/LON: 38.243338/ -77.366115

Agency: 1113RAWQ
 FIPS State/County: 51000 VIRGINIA/
 STORET Station ID(s): RAPPAHAN R03 /R03 /RP3
 Within Park Boundary: No

Date Created: / /

Depth of Water: 1
 Elevation: 0
 RF1 Mile Point: 23.770
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0001

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	1	26.5	26.5	26.5	26.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/70-08/28/70	2	0.179	0.179	0.222	0.135	0.004	0.062	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/70-08/28/70	2	0.668	0.668	0.675	0.66	0.	0.011	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/70-08/28/70	2	0.35	0.35	0.45	0.25	0.02	0.141	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/29/70-08/28/70	2	0.205	0.205	0.25	0.16	0.004	0.064	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/70-08/28/70	2	12.15	12.15	19.1	5.2	96.605	9.829	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	07/29/70-07/29/70	1	10.9	10.9	10.9	10.9	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/29/70-08/28/70	2	0.3	0.3	0.35	0.25	0.005	0.071	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0001

Parameter	Std. Type	Std. Value	Total	Exceed	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
			Obs	Standard		Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00	0	0	0	0	0

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0002

NPS Station ID: FRSP0002

Location: BUOY 116

Station Type: /TYP/A/MBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02070011

Major Basin: 02-NORTH ATLANTIC

Minor Basin: 3-RAPPAHANOCK

RF1 Index: 02070011

RF3 Index:

Description:

VIRGINIA STATE WATER CONTROL BOARD
RIVER: RAPPAHANNOCK RI.

LAT/LON: 38.244448/ -77.367781

Agency: 21VASWCB

FIPS State/County: 51179 VIRGINIA/STAFFORD

STORET Station ID(s): 3-RPP103.27 /VA3-01-X0044/VA3-3X0044

Within Park Boundary: No

Date Created: / /

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1:

On/Off RF3:

AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
SECTION: 01 TOPO MAP #: 0041 TOPO MAP NAME: RAPPAHANNOCK ACADEMY, VA

Parameter Inventory for Station: FRSP0002

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	47	26.1	24.419	31.1	10.	23.109	4.807	17.68	20.6	28.3	30.
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/06/75	47	7.6	7.696	12.	2.6	3.429	1.852	5.88	6.6	8.8	10.
00310	BOD, 5 DAY, 20 DEG C MG/L	03/31/69-07/16/74	6	2.35	2.183	3.	1.	0.682	0.826	**	**	**	**
00400	PH (STANDARD UNITS)	07/02/68-10/06/75	46	6.95	7.004	8.7	6.4	0.159	0.398	6.67	6.8	7.2	7.36
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-10/06/75	46	6.947	6.892	8.7	6.4	0.172	0.414	6.67	6.8	7.2	7.36
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-10/06/75	46	0.113	0.128	0.398	0.002	0.006	0.078	0.045	0.063	0.158	0.215
00403	PH, LAB, STANDARD UNITS SU	03/31/69-05/27/70	4	6.6	6.625	6.8	6.5	0.022	0.15	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/31/69-05/27/70	4	6.589	6.606	6.8	6.5	0.023	0.152	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/69-05/27/70	4	0.258	0.248	0.316	0.158	0.007	0.081	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/69-05/27/70	5	16.	17.4	24.	13.	20.8	4.561	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/31/69-09/13/71	6	131.	172.833	384.	88.	11852.167	108.868	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/31/69-09/13/71	6	39.	45.667	105.	4.	1444.667	38.009	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	03/31/69-09/13/71	6	86.5	109.167	279.	12.	8130.167	90.167	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/69-09/13/71	6	17.5	20.667	39.	8.	136.667	11.69	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/31/69-09/13/71	6	6.	8.167	20.	1.	53.767	7.333	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/31/69-09/13/71	6	10.	12.5	26.	7.	47.5	6.892	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/70-10/06/75	36	0.1	0.166	1.149	0.05	0.038	0.194	0.05	0.05	0.2	0.324
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/13/70-10/06/75	37	0.01	0.012	0.05	0.005	0.	0.01	0.005	0.005	0.01	0.022
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/70-10/06/75	37	0.47	0.864	13.29	0.09	4.479	2.116	0.148	0.355	0.74	0.942
00625	NITROGEN, KIELDAHL, TOTAL, (MG/L AS N)	04/13/70-10/06/75	37	0.3	0.432	1.899	0.1	0.092	0.304	0.2	0.3	0.5	0.7
00945	SULFATE, TOTAL (MG/L AS SO4)	06/22/70-10/06/75	33	13.	16.727	57.	1.	123.892	11.131	5.8	9.5	21.5	34.4
01002	ARSENIC, TOTAL (UG/L AS AS)	08/08/71-10/06/75	4 ##	2.5	3.125	6.	1.5	3.896	1.974	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	08/08/71-10/06/75	7 ##	5.	4.357	5.	0.5	2.893	1.701	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-10/06/75	12 ##	5.	6.667	20.	5.	19.697	4.438	5.	5.	5.	17.
01042	COPPER, TOTAL (UG/L AS CU)	04/13/70-05/08/74	10 ##	5.	8.	20.	5.	23.333	4.83	5.	5.	10.	19.
01051	LEAD, TOTAL (UG/L AS PB)	08/08/71-10/06/75	9 ##	5.	4.444	5.	1.	1.778	1.333	1.	4.5	5.	5.
01055	MANGANESE, TOTAL (UG/L AS MN)	04/13/70-04/13/70	1	109.9	109.9	109.9	109.9	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-10/06/75	4 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/13/70-10/06/75	12 ##	5.	14.583	70.	5.	365.72	19.124	5.	5.	17.5	58.
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C (TUBE 31506)	07/02/68-10/07/70	11	2300.	17253.636	150000.	430.	1956801205.455	44235.746	494.	750.	11000.	122200.
31505	LOG COLIFORM, TOT, MPN, CONFIRMED TEST,35C (TUBE 31506)	07/02/68-10/07/70	11	3.362	3.481	5.176	2.633	0.574	0.758	2.682	2.875	4.041	4.949
31505	GM COLIFORM, TOT, MPN, CONFIRMED TEST,35C (TUBE 31506)				3026.188								
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/19/71-10/06/75	34 ##	75.	2980.882	80000.	50.	187298184.046	13685.693	50.	50.	525.	4200.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/19/71-10/06/75	34 ##	1.849	2.264	4.903	1.699	0.641	0.801	1.699	1.699	2.719	3.579
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	183.738								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/13/70-10/06/75	37 ##	0.05	0.077	0.4	0.025	0.004	0.066	0.05	0.05	0.1	0.116
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-10/06/75	37	0.05	0.052	0.19	0.01	0.001	0.037	0.01	0.03	0.055	0.1
71900	MERCURY, TOTAL (UG/L AS HG)	09/03/70-10/06/75	11 ##	0.25	0.505	2.8	0.25	0.585	0.765	0.25	0.25	0.25	2.34

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0002

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
00300	OXYGEN, DISSOLVED	4.	47	2	0.04	31	1	0.03	1	0	0.00	15	1	0.07				
00400	PH	Fresh Chronic	9.	46	0	0.00	31	0	0.00	1	0	0.00	14	0	0.00			
		Other-Lo Lim.	6.5	46	2	0.04	31	0	0.00	1	0	0.00	14	2	0.14			
00403	PH, LAB	Fresh Chronic	9.	4	0	0.00				1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	2	0.50				1	0	0.00	3	2	0.67			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	37	0	0.00	23	0	0.00				14	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	37	1	0.03	23	0	0.00				14	1	0.07			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	33	0	0.00	24	0	0.00				9	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	4	0	0.00	3	0	0.00				1	0	0.00			
		Drinking Water	50.	4	0	0.00	3	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	0	0.00	1	0	0.00									
		Drinking Water	5.	1 &	0	0.00	1	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	12	0	0.00	6	0	0.00				6	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	10	1	0.10	5	0	0.00				5	1	0.20			
01051	LEAD, TOTAL	Drinking Water	1300.	10	0	0.00	5	0	0.00				5	0	0.00			
		Fresh Acute	82.	9	0	0.00	6	0	0.00				3	0	0.00			
		Drinking Water	15.	9	0	0.00	6	0	0.00				3	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	4	0	0.00	2	0	0.00				2	0	0.00			
		Drinking Water	100.	4	0	0.00	2	0	0.00				2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	12	0	0.00	6	0	0.00				6	0	0.00			
		Drinking Water	5000.	12	0	0.00	6	0	0.00				6	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	11	6	0.55	6	3	0.50	1	1	1.00	4	2	0.50			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	34	12	0.35	23	7	0.30				11	5	0.45			
71900	MERCURY, TOTAL	Fresh Acute	2.4	11	1	0.09	7	0	0.00				4	1	0.25			
		Drinking Water	2.	11	1	0.09	7	0	0.00				4	1	0.25			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	31	26.7	26.342	31.1	17.2	11.21	3.348	20.7	25.	28.9	30.
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/06/75	31	7.4	7.474	12.	4.	3.487	1.867	5.52	6.5	8.2	11.02
00400	PH (STANDARD UNITS)	07/02/68-10/06/75	31	7.	7.071	8.7	6.6	0.187	0.432	6.7	6.8	7.2	7.46
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-10/06/75	31	7.	6.952	8.7	6.6	0.201	0.449	6.7	6.8	7.2	7.46
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-10/06/75	31	0.1	0.112	0.251	0.002	0.004	0.061	0.035	0.063	0.158	0.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/06/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/02/68-10/06/75	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-10/06/75	1	6.8	6.8	6.8	6.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-10/06/75	1	0.158	0.158	0.158	0.158	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0002

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	15	20.	21.407	28.3	13.3	19.148	4.376	15.64	17.8	25.	28.3
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/06/75	15	8.4	8.	10.	2.6	3.209	1.791	5.	7.2	9.	9.94
00400	PH (STANDARD UNITS)	07/02/68-10/06/75	14	6.85	6.871	7.5	6.4	0.085	0.292	6.45	6.675	7.025	7.35
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-10/06/75	14	6.847	6.788	7.5	6.4	0.093	0.305	6.45	6.675	7.025	7.35
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-10/06/75	14	0.142	0.163	0.398	0.032	0.011	0.103	0.047	0.095	0.212	0.357

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0003

NPS Station ID: FRSP0003	LAT/LON: 38.241031/ -77.372171	Agency: 11NPSWRD	Date Created: 02/13/99						
Location: UNNAMED TRIB AT WETLAND EXIT AT BERGER PRESERVE	FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA								
Station Type: /TYP/A/MBNT/STREAM	STORET Station ID(s): FRSP_GMU_BP4								
RMI-Indexes:	Within Park Boundary: No								
RMI-Miles:									
HUC: 02080104	Depth of Water: 0	Aquifer:							
Major Basin: NORTH ATLANTIC	Elevation: 0	Water Body Id:							
Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST	RF1 Mile Point: 0.000	ECO Region:							
RF1 Index: 02080104	RF3 Mile Point: 0.000	Distance from RF1: 0.00	On/Off RF1:						
RF3 Index:		Distance from RF3: 0.00	On/Off RF3:						
Description:									
THE STATION IS LOCATED ON THE RAPPAHANNOCK ACADEMY; VA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS AT AN UNNAMED TRIBUTARY OF SNOW CREEK AT THE EXIT POINT OF A WETLAND AT BERGER PRESERVE OUTSIDE OF FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STREAM WAS SAMPLED AS PART OF A THESIS TO STUDY THE MECHANISMS OF PHOSPHORUS RETENTION IN WETLANDS. DATA ARE FROM A GEORGE MASON UNIVERSITY MASTER'S THESIS ENTITLED "PHOSPHORUS CONCENTRATIONS IN SURFACE; SUBSURFACE; AND GROUNDWATER OF SIX VIRGINIA PIEDMONT AND COASTAL PLAIN WETLANDS" BY REBECCA M. MARTIN (1996). FOR MORE INFORMATION ABOUT THE PARK CONTACT FRSP'S CHIEF OF NATURAL RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-373-4461). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).									

Parameter Inventory for Station: FRSP0003

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	26	121.5	109.115	135.	40.	614.666	24.792	76.8	86.25	128.25	134.
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	26	11.35	11.404	19.6	6.6	11.21	3.348	7.14	8.6	13.15	17.13
00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	26	6.7	6.662	7.2	6.	0.093	0.305	6.17	6.5	6.825	7.
00403	CONVERTED PH, LAB, STANDARD UNITS	11/19/93-11/18/94	26	6.7	6.547	7.2	6.	0.107	0.326	6.17	6.5	6.825	7.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/93-11/18/94	26	0.2	0.284	1.	0.063	0.059	0.242	0.1	0.15	0.316	0.68
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	25	0.028	0.044	0.371	0.011	0.005	0.069	0.016	0.021	0.044	0.051
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	25	0.016	0.017	0.047	0.006	0.	0.009	0.007	0.01	0.02	0.031
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	26	0.009	0.011	0.04	0.005	0.	0.007	0.006	0.007	0.012	0.017

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0003

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard		Exceed	Obs	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB																
		Fresh Chronic	9.	26	0	0.00	8	0	0.00	12	0	0.00	6	0	0.00	0	0.00
		Other-Lo Lim.	6.5	26	7	0.27	8	1	0.13	12	5	0.42	6	1	0.17		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0004

NPS Station ID: FRSP0004

LAT/LON: 38.240865/ -77.371949

Date Created: 02/13/99

Location: SNOW CREEK AT EXIT OF WETLAND AT BERGER PRESERVE

Agency: 11NPSWRD
FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
STORET Station ID(s): FRSP_GMU_BP2
Within Park Boundary: No

Station Type: /TYP/A/AMBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02080104

Depth of Water: 0

Elevation: 0

Major Basin: NORTH ATLANTIC

Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST

RF1 Index: 02080104

RF1 Mile Point: 0.000

RF3 Mile Point: 0.000

RF3 Index:

Description:

THE STATION IS LOCATED ON THE RAPPAHANNOCK ACADEMY; VA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS AT SNOW CREEK AT THE EXIT POINT OF A WETLAND AT BERGER PRESERVE OUTSIDE OF FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STREAM WAS SAMPLED AS PART OF A THESIS TO STUDY THE MECHANISMS OF PHOSPHORUS RETENTION IN WETLANDS. DATA ARE FROM A GEORGE MASON UNIVERSITY MASTER'S THESIS ENTITLED "PHOSPHORUS CONCENTRATIONS IN SURFACE; SUBSURFACE; AND GROUNDWATER OF SIX VIRGINIA PIEDMONT AND COASTAL PLAIN WETLANDS" BY REBECCA M. MARTIN (1996). FOR MORE INFORMATION ABOUT THE PARK CONTACT FRSP'S CHIEF OF NATURAL RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-373-4461). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: FRSP0004

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	26	78.	71.846	95.	42.	260.375	16.136	45.4	57.	84.5	90.9
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	26	10.8	11.481	19.5	7.5	9.917	3.149	8.36	8.875	13.7	16.54
00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	26	6.8	6.796	8.	5.9	0.224	0.474	5.97	6.575	7.1	7.33
00403	CONVERTED PH, LAB, STANDARD UNITS	11/19/93-11/18/94	26	6.8	6.553	8.	5.9	0.286	0.535	5.97	6.575	7.1	7.33
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/93-11/18/94	26	0.158	0.28	1.259	0.01	0.122	0.349	0.047	0.079	0.267	1.078
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	25	0.027	0.036	0.15	0.014	0.001	0.028	0.018	0.021	0.04	0.071
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	25	0.011	0.014	0.06	0.005	0.	0.011	0.007	0.009	0.013	0.025
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	26	0.009	0.009	0.028	0.003	0.	0.005	0.004	0.006	0.01	0.013

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0004

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a			
						Obs	Prop.	Obs	Prop.	Obs	Prop.	Obs	Prop.		
00403	PH, LAB	Fresh Chronic	9.	26	0	0.00	8	0	0.00	12	0	0.00	6	0	0.00
		Other-Lo Lim.	6.5	26	6	0.23	8	1	0.13	12	4	0.33	6	1	0.17

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0005

NPS Station ID: FRSP0005	LAT/LON: 38.240338/ -77.372171	Agency: 11NPSWRD	Date Created: 02/13/99
Location: SNOW CRK AT WETLAND ENTRANCE AT BERGER PRESERVE	FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA		
Station Type: /TYP/A/MBNT/STREAM	STORET Station ID(s): FRSP_GMU_BP1		
RMI-Indexes:	Within Park Boundary: No		
RMI-Miles:			
HUC: 02080104	Depth of Water: 0	Aquifer:	
Major Basin: NORTH ATLANTIC	Elevation: 0	Water Body Id:	
Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST	RF1 Mile Point: 0.000	ECO Region:	
RF1 Index: 02080104	RF3 Mile Point: 0.000	Distance from RF1: 0.00	On/Off RF1:
RF3 Index:		Distance from RF3: 0.00	On/Off RF3:
Description:			
THE STATION IS LOCATED ON THE RAPPAHANNOCK ACADEMY; VA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS AT SNOW CREEK AT THE ENTRANCE POINT OF A WETLAND AT BERGER PRESERVE OUTSIDE OF FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STREAM WAS SAMPLED AS PART OF A THESIS TO STUDY THE MECHANISMS OF PHOSPHORUS RETENTION IN WETLANDS. DATA ARE FROM A GEORGE MASON UNIVERSITY MASTER'S THESIS ENTITLED "PHOSPHORUS CONCENTRATIONS IN SURFACE; SUBSURFACE; AND GROUNDWATER OF SIX VIRGINIA PIEDMONT AND COASTAL PLAIN WETLANDS" BY REBECCA M. MARTIN (1996). FOR MORE INFORMATION ABOUT THE PARK CONTACT FRSP'S CHIEF OF NATURAL RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-373-4461). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).			

Parameter Inventory for Station: FRSP0005

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	26	75.5	74.923	133.	46.	402.314	20.058	49.5	58.75	89.5	98.3
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	26	9.6	10.335	17.	6.8	8.01	2.83	7.28	8.15	11.925	15.22
00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	26	6.65	6.738	8.2	5.1	0.485	0.696	5.88	6.3	7.225	7.73
00403	CONVERTED PH, LAB, STANDARD UNITS	11/19/93-11/18/94	26	6.647	6.185	8.2	5.1	0.803	0.896	5.88	6.3	7.225	7.73
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/93-11/18/94	26	0.225	0.653	7.943	0.006	2.483	1.576	0.019	0.06	0.501	1.454
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	25	0.029	0.04	0.185	0.009	0.002	0.042	0.014	0.022	0.038	0.103
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	25	0.013	0.014	0.043	0.004	0.	0.008	0.006	0.008	0.017	0.022
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	26	0.008	0.009	0.035	0.003	0.	0.006	0.004	0.005	0.011	0.015

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0005

Parameter	Std. Type	Std. Value	Total	Exceed	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard		Exceed	Obs	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB																
	Fresh Chronic	9.	26	0	0.00	8	0	0.00	12	0	0.00	6	0	0.00	n/a	n/a	n/a
	Other-Lo Lim.	6.5	26	8	0.31	8	0	0.00	12	6	0.50	6	2	0.33			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0006

NPS Station ID: FRSP0006	LAT/LON: 38.240698/ -77.372920	Agency: 11NPSWRD	Date Created: 02/13/99						
Location: UNNAMED TRIB AT WETLAND ENTRANCE AT BERGER PRSRV	FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA								
Station Type: /TYP/A/MBNT/STREAM	STORET Station ID(s): FRSP_GMU_BP3								
RMI-Indexes:	Within Park Boundary: No								
RMI-Miles:									
HUC: 02080104	Depth of Water: 0	Aquifer:							
Major Basin: NORTH ATLANTIC	Elevation: 0	Water Body Id:							
Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST	RF1 Mile Point: 0.000	ECO Region:							
RF1 Index: 02080104	RF3 Mile Point: 0.000	Distance from RF1: 0.00	On/Off RF1:						
RF3 Index:		Distance from RF3: 0.00	On/Off RF3:						
Description:									
THE STATION IS LOCATED ON THE RAPPAHANNOCK ACADEMY; VA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS AT AN UNNAMED TRIBUTARY OF SNOW CREEK AT THE ENTRANCE POINT OF A WETLAND AT BERGER PRESERVE OUTSIDE OF FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STREAM WAS SAMPLED AS PART OF A THESIS TO STUDY THE MECHANISMS OF PHOSPHORUS RETENTION IN WETLANDS. DATA ARE FROM A GEORGE MASON UNIVERSITY MASTER'S THESIS ENTITLED "PHOSPHORUS CONCENTRATIONS IN SURFACE; SUBSURFACE; AND GROUNDWATER OF SIX VIRGINIA PIEDMONT AND COASTAL PLAIN WETLANDS" BY REBECCA M. MARTIN (1996). FOR MORE INFORMATION ABOUT THE PARK CONTACT FRSP'S CHIEF OF NATURAL RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-373-4461). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).									

Parameter Inventory for Station: FRSP0006

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	26	115.	104.769	137.	43.	882.665	29.71	54.	78.25	129.	135.3
00136 TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	26	10.4	11.569	21.5	5.2	16.969	4.119	6.54	8.775	13.5	19.13
00403 PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	26	6.8	6.712	7.8	5.9	0.239	0.489	6.07	6.275	7.	7.46
00403 CONVERTED PH, LAB, STANDARD UNITS	11/19/93-11/18/94	26	6.8	6.485	7.8	5.9	0.292	0.54	6.07	6.275	7.	7.46
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/93-11/18/94	26	0.158	0.327	1.259	0.016	0.106	0.326	0.035	0.1	0.534	0.856
00665 PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	25	0.027	0.036	0.21	0.007	0.002	0.04	0.012	0.014	0.041	0.063
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	25	0.014	0.015	0.047	0.006	0.	0.009	0.006	0.009	0.019	0.025
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	26	0.009	0.011	0.034	0.005	0.	0.006	0.005	0.007	0.013	0.017

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0006

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard		Exceed	Obs	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403 PH, LAB	Fresh Chronic	9.	26	0	0.00	8	0	0.00	12	0	0.00	6	0	0.00	n/a	n/a	n/a
	Other-Lo Lim.	6.5	26	9	0.35	8	1	0.13	12	6	0.50	6	2	0.33			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0007

NPS Station ID: FRSP0007
 Location: BELVEDERE "118" R2A
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: NORTH ATLANTIC
 Minor Basin: RAPPAHANNOCK & YORK RIVERS
 RF1 Index: 02080104041
 RF3 Index:
 Description:

LAT/LON: 38.247226/ -77.394170

Agency: 1113RAWQ
 FIPS State/County: 51000 VIRGINIA/
 STORET Station ID(s): RAPPAHAN R2A /R2A /RP2A
 Within Park Boundary: No

Date Created: / /

Depth of Water: 1
 Elevation: 0
 RF1 Mile Point: 25.730
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0007

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	1	28.	28.	28.	28.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/70-08/28/70	2	0.169	0.169	0.189	0.149	0.001	0.028	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/70-07/29/70	1	0.67	0.67	0.67	0.67	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/70-08/28/70	2	0.35	0.35	0.4	0.3	0.005	0.071	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/29/70-08/28/70	2	0.21	0.21	0.23	0.19	0.001	0.028	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/70-08/28/70	2	11.35	11.35	16.9	5.8	61.605	7.849	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	07/29/70-07/29/70	1	11.	11.	11.	11.	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/29/70-08/28/70	2	0.305	0.305	0.36	0.25	0.006	0.078	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0007

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
			Obs	Standard		Exceed	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2		0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0008

NPS Station ID: FRSP0008
 Location: BUOY 118
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104041
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK
 RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0039 TOPO MAP NAME: GUINEA, VA

LAT/LON: 38.248059/ -77.396115

Agency: 21VASWCB
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): 3-RPP105.30 /VA3-01-X0045/VA3-3X0045
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 25.980
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0008

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-06/13/79	65	26.1	23.772	31.1	2.1	38.779	6.227	16.72	20.3	28.3	29.64
00070 TURBIDITY, (JACKSON CANDLE UNITS)	06/02/71-07/21/71	3	25.	21.333	29.	10.	100.333	10.017	**	**	**	**
00077 TRANSPARENCY, SECCHI DISC (INCHES)	08/15/78-08/15/78	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-08/15/78	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/02/68-06/13/79	65	7.8	7.889	12.8	3.8	2.263	1.504	6.24	7.05	8.8	9.88
00310 BOD, 5 DAY, 20 DEG C MG/L	03/31/69-07/16/74	6	1.85	1.867	2.9	1.2	0.359	0.599	**	**	**	**
00400 PH (STANDARD UNITS)	07/02/68-06/13/79	65	7.1	7.154	8.7	6.4	0.176	0.42	6.7	6.8	7.35	7.58
00400 CONVERTED PH (STANDARD UNITS)	07/02/68-06/13/79	65	7.1	7.011	8.7	6.4	0.197	0.444	6.7	6.8	7.35	7.58
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-06/13/79	65	0.079	0.098	0.398	0.002	0.005	0.071	0.027	0.045	0.158	0.2
00403 PH, LAB, STANDARD UNITS SU	03/31/69-05/27/70	5	6.4	6.52	6.8	6.3	0.047	0.217	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	03/31/69-05/27/70	5	6.4	6.48	6.8	6.3	0.049	0.221	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/69-05/27/70	5	0.398	0.331	0.501	0.158	0.021	0.146	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/69-05/27/70	5	16.	17.2	23.	14.	14.7	3.834	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	03/31/69-09/13/71	6	117.5	134.333	269.	80.	4897.067	69.979	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	03/31/69-09/13/71	6	30.5	37.667	88.	15.	786.267	28.04	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	03/31/69-09/13/71	6	82.5	96.667	181.	61.	2105.867	45.89	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/69-09/13/71	6	19.5	22.167	40.	6.	210.167	14.497	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/31/69-09/13/71	5	4.	7.	21.	2.	62.5	7.906	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	03/31/69-09/13/71	6	15.	16.333	37.	6.	125.867	11.219	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/70-06/13/79	57	0.1	0.183	0.9	0.005	0.032	0.179	0.05	0.05	0.235	0.368
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	04/13/70-06/13/79	58	0.01	0.014	0.09	0.005	0.	0.016	0.005	0.005	0.02	0.022
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/70-09/23/76	44	0.405	0.476	1.299	0.07	0.074	0.272	0.155	0.293	0.678	0.865
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-06/13/79	57	0.4	0.42	1.099	0.05	0.064	0.254	0.1	0.2	0.55	0.72
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/12/76-06/13/79	14	0.265	0.487	1.8	0.09	0.236	0.485	0.095	0.138	0.675	1.4
00945 SULFATE, TOTAL (MGL AS SO4)	06/22/70-06/13/79	55	12	21.291	235.	5.	1057.655	32.522	6.6	9	22	34.2
01002 ARSENIC, TOTAL (UG/L AS AS)	06/02/71-05/02/77	7 ##	2.5	2.214	3.	1.	0.488	0.699	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-06/29/77	1 ##	8.25	8.25	8.25	8.25	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	08/08/71-05/02/77	9 ##	5.	4.778	5.	3.	0.444	0.667	3.	5.	5.	5.
01028 CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	1 ##	0.41	0.41	0.41	0.41	0.	0.	**	**	**	**
01029 CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	1	20.69	20.69	20.69	20.69	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-05/02/77	14 ##	5.	6.107	20.	0.5	19.468	4.412	2.75	5.	5.	15.
01042 COPPER, TOTAL (UG/L AS CU)	04/13/70-05/02/77	13 ##	5.	8.077	30.	5.	48.077	6.934	5.	5.	10.	22.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0008

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-06/29/77	1	32.89	32.89	32.89	32.89	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	06/02/71-05/02/77	12 ##	5.	5.	10.	1.	3.818	1.954	1.9	5.	5.	8.5
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-06/29/77	1	41.19	41.19	41.19	41.19	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	04/13/70-04/13/70	1	90.	90.	90.	90.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	05/21/73-05/02/77	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	1	8.3	8.3	8.3	8.3	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	04/13/70-05/02/77	14 ##	5.	16.429	40.	5.	224.725	14.991	5.	5.	32.5	40.
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-06/29/77	1	84.89	84.89	84.89	84.89	0.	0.	**	**	**	**
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-07/11/77	13	2300.	6202.385	39000.	11.	110223753.923	10498.75	150.6	680.	7650.	27800.
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-07/11/77	13	3.362	3.277	4.591	1.041	0.767	0.876	1.647	2.801	3.837	4.371
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)				GEOMETRIC MEAN = 1893.963								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/71-06/13/79	54	100.	1957.778	80000.	40.	117966372.327	10861.233	50.	50.	650.	1700.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/19/71-06/13/79	54	2.	2.255	4.903	1.602	0.496	0.705	1.699	1.699	2.809	3.23
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN = 179.873								
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/02/71-07/02/71	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	07/20/76-07/20/76	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	04/13/70-06/13/79	58 ##	0.05	0.077	0.4	0.025	0.003	0.058	0.05	0.05	0.1	0.103
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-06/13/79	58	0.05	0.054	0.36	0.01	0.003	0.053	0.01	0.03	0.06	0.081
71900 MERCURY, TOTAL (UG/L AS HG)	09/03/70-05/02/77	14 ##	0.25	0.404	1.6	0.25	0.143	0.378	0.25	0.25	0.313	1.2
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-06/29/77	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0008

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	2	0	0.00	1	0	0.00	22	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	65	1	0.02	42	1	0.02	1	0	0.00	22	0	0.00			
00400 PH	Fresh Chronic	9.	65	0	0.00	42	0	0.00	1	0	0.00	22	0	0.00			
00403 PH, LAB	Other-Lo Lim.	6.5	65	1	0.02	42	0	0.00	1	1	1.00	22	0	0.00			
	Fresh Chronic	9.	5	0	0.00	1	0	0.00	1	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	5	3	0.60	1	1	1.00	1	0	0.00	3	2	0.67			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	58	0	0.00	36	0	0.00				22	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	44	0	0.00	28	0	0.00				16	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	14	0	0.00	8	0	0.00				6	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	55	0	0.00	36	0	0.00				19	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	7	0	0.00	4	0	0.00				3	0	0.00			
	Drinking Water	50.	7	0	0.00	4	0	0.00				3	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1 &	0	0.00	1	0	0.00				7	0	0.00			
	Drinking Water	5.	1 &	0	0.00	1	0	0.00				7	1	0.14			
01034 CHROMIUM, TOTAL	Drinking Water	100.	14	0	0.00	7	0	0.00				7	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	13	1	0.08	6	0	0.00				7	0	0.00			
01051 LEAD, TOTAL	Drinking Water	1300.	13	0	0.00	6	0	0.00				5	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	82.	12	0	0.00	7	0	0.00				5	0	0.00			
01092 ZINC, TOTAL	Drinking Water	15.	12	0	0.00	7	0	0.00				3	0	0.00			
	Fresh Acute	1400.	5	0	0.00	2	0	0.00				3	0	0.00			
	Drinking Water	100.	5	0	0.00	2	0	0.00				3	0	0.00			
	Fresh Acute	120.	14	0	0.00	7	0	0.00				7	0	0.00			
	Drinking Water	5000.	14	0	0.00	7	0	0.00				7	0	0.00			
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	13	9	0.69	7	5	0.71	1	1	1.00	5	3	0.60			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	54	22	0.41	35	13	0.37				19	9	0.47			
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00	1	0	0.00				6	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	14	0	0.00	8	0	0.00				6	0	0.00			
	Drinking Water	2.	14	0	0.00	8	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-06/13/79	42	27.8	25.031	31.1	2.1	41.684	6.456	17.44	22.8	28.9	30.
00300	OXYGEN, DISSOLVED MG/L	07/02/68-06/13/79	42	7.4	7.574	12.8	3.8	2.502	1.582	5.51	6.975	8.225	9.41
00400	PH (STANDARD UNITS)	07/02/68-06/13/79	42	7.15	7.205	8.7	6.7	0.191	0.437	6.7	6.9	7.4	7.71
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-06/13/79	42	7.147	7.063	8.7	6.7	0.212	0.46	6.7	6.9	7.4	7.71
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/02/68-06/13/79	42	0.071	0.087	0.2	0.002	0.003	0.058	0.021	0.04	0.126	0.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/70-06/13/79	36	0.17	0.202	0.9	0.01	0.036	0.188	0.05	0.09	0.238	0.432
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/13/70-06/13/79	36	0.01	0.013	0.05	0.005	0.	0.011	0.005	0.005	0.018	0.026
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/70-09/23/76	28	0.385	0.409	0.89	0.07	0.045	0.213	0.099	0.245	0.57	0.709
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-06/13/79	36	0.4	0.436	1.099	0.1	0.067	0.259	0.17	0.225	0.6	0.86
00945	SULFATE, TOTAL (MG/L AS SO ₄)	06/22/70-06/13/79	36	14.5	24.389	235.	5.	1441.387	37.966	7.4	10.	26.	36.6
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/19/71-06/13/79	35	100.	562.286	6000.	50.	1270635.798	1127.225	50.	50.	430.	1780.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/19/71-06/13/79	35	2.	2.206	3.778	1.699	0.416	0.645	1.699	1.699	2.633	3.25
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	160.58								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	04/13/70-06/13/79	36 ##	0.05	0.079	0.4	0.05	0.004	0.067	0.05	0.05	0.1	0.13
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-06/13/79	36	0.05	0.056	0.36	0.01	0.003	0.057	0.017	0.03	0.07	0.083

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-06/13/79	1	9.4	9.4	9.4	9.4	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/02/68-06/13/79	1	9.8	9.8	9.8	9.8	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/02/68-06/13/79	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-06/13/79	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/02/68-06/13/79	1	0.398	0.398	0.398	0.398	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0008

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-06/13/79	22	21.05	22.023	30.	12.8	20.59	4.538	16.36	18.625	26.15	28.15
00300	OXYGEN, DISSOLVED MG/L	07/02/68-06/13/79	22	8.4	8.405	10.	5.	1.359	1.166	7.06	7.75	9.25	10.
00400	PH (STANDARD UNITS)	07/02/68-06/13/79	22	7.	7.091	8.	6.6	0.128	0.357	6.7	6.8	7.325	7.64
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-06/13/79	22	7.	6.979	8.	6.6	0.141	0.375	6.7	6.8	7.325	7.64
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/02/68-06/13/79	22	0.1	0.105	0.251	0.01	0.004	0.067	0.023	0.048	0.158	0.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/70-06/13/79	21	0.08	0.149	0.65	0.005	0.025	0.159	0.042	0.05	0.25	0.38
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/13/70-06/13/79	22	0.01	0.016	0.09	0.005	0.	0.022	0.005	0.005	0.02	0.055
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/70-09/23/76	16	0.545	0.594	1.299	0.18	0.107	0.327	0.187	0.303	0.835	1.076
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-06/13/79	21	0.4	0.393	1.099	0.05	0.062	0.249	0.1	0.2	0.5	0.7
00945	SULFATE, TOTAL (MG/L AS SO ₄)	06/22/70-06/13/79	19	12.	15.421	86.	6.	314.702	17.74	6.	8.	15.	24.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/19/71-06/13/79	19	100.	4528.421	80000.	40.	334183402.924	18280.684	50.	50.	800.	1300.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/19/71-06/13/79	19	2.	2.346	4.903	1.602	0.662	0.814	1.699	1.699	2.903	3.114
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	221.684								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	04/13/70-06/13/79	22 ##	0.05	0.073	0.2	0.025	0.002	0.04	0.05	0.05	0.1	0.121
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/13/70-06/13/79	22	0.05	0.051	0.21	0.01	0.002	0.048	0.01	0.028	0.05	0.137

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0009

NPS Station ID: FRSP0009
 Location: MATTOX CREEK, RT. 625
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02070011
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 1-POTOMAC-SHENANDOAH
 RF1 Index: 02070011
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 1A POTOMAC REGION: 3 NORTHERN
 RIVER: MATTOX CREEK SECTION: 01A TOPO MAP #: 0054 TOPO MAP NAME: ROLLINS FORK, VA

LAT/LON: 38.231392/ -77.403338

Agency: 21VASWCB
 FIPS State/County: 51099 VIRGINIA/KING GEORGE
 STORET Station ID(s): 1AMAO010.27
 Within Park Boundary: No

Date Created: 03/29/97

Depth of Water: 0

Elevation: 0

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

RF1 Mile Point: 0.000

RF3 Mile Point: 0.000

Parameter Inventory for Station: FRSP0009

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/23/96-04/23/96	1	21.9	21.9	21.9	21.9	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	04/23/96-04/23/96	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/23/96-04/23/96	1	9.6	9.6	9.6	9.6	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	04/23/96-04/23/96	1	5.57	5.57	5.57	5.57	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/23/96-04/23/96	1	5.57	5.57	5.57	5.57	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/23/96-04/23/96	1	2.692	2.692	2.692	2.692	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0009

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
			Obs	Standard		Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00		
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00		
		Other-Lo Lim.	6.5	1	1	1.00				1	1	1.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0010

NPS Station ID: FRSP0010
 Location: 100 YARDS BELOW MASSAPONOX STP
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes: 0215002
 RMI-Miles: 0104.47
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104042
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
 RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

LAT/LON: 38.255282/ -77.411948

Agency: 21VASWCB
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): 3-RPP104.47 /VA3-01-X0076/VA3-3X0076
 Within Park Boundary: No

Date Created: 04/19/76

Depth of Water: 0
 Elevation: 0

RF1 Mile Point: 0.710
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	189	20.1	18.46	32.	0.8	74.594	8.637	5.8	11.1	25.7	28.3
00061 FLOW, STREAM, INSTANTANEOUS CFS	10/23/80-10/23/80	1	0.02	0.02	0.02	0.	0.	0.	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)	02/21/91-10/04/93	6	8.85	9.533	16.	5.	14.543	3.813	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	58	9.2	11.895	35.	0.4	54.277	7.367	5.15	6.9	14.375	22.3
00078 TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	112	0.95	1.311	35.	0.15	10.638	3.262	0.4	0.6	1.25	1.97
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	174	86.	101.586	2000.	6.	21396.776	146.276	71.	77.	100.	129.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	97	81.	86.32	157.	63.	346.741	18.621	70.	76.	90.5	107.
00096 SALINITY AT 25 DEGREES C (MG/M/L)	05/03/88-12/01/94	70	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	126	8.6	9.187	15.3	5.4	5.018	2.24	6.7	7.3	11.2	12.5
00300 OXYGEN, DISSOLVED MG/L	06/24/76-09/29/87	64	8.4	8.594	12.9	4.8	2.737	1.654	6.85	7.6	9.275	10.7
00310p BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	164	1.	1.58	6.	0.5	1.341	1.158	1.	2.	3.	
00340 COD, 25N K2CR2O7 MG/L	07/25/79-12/10/98	102	8.	9.167	25.	0.5	20.323	4.508	4.	6.	13.	15.
00400p PH (STANDARD UNITS)	05/11/76-12/10/98	181	7.2	7.098	8.9	5.6	0.264	0.514	6.4	6.69	7.4	7.6
00400p CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	181	7.2	6.815	8.9	5.6	0.344	0.587	6.4	6.69	7.4	7.6
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	181	0.063	0.153	2.512	0.001	0.056	0.236	0.025	0.04	0.204	0.398
00403 PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	105	6.9	6.878	8.	3.	0.28	0.529	6.5	6.65	7.1	7.44
00403 CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	105	6.9	5.014	8.	3.	3.789	1.946	6.5	6.65	7.1	7.44
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	105	0.126	9.686	1000.	0.01	9520.704	97.574	0.037	0.079	0.225	0.316
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	105	21.	21.943	35.	12.	23.67	4.865	16.	18.	25.	30.
00480 SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	07/25/79-12/10/98	44	75.5	75.182	146.	51.	318.385	17.843	53.5	60.25	83.25	95.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/25/79-12/10/98	44	21.	30.136	400.	11.	3293.051	57.385	14.	16.25	25.75	30.
00510 RESIDUE, TOTAL FIXED (MG/L)	07/25/79-12/10/98	44	50.	53.364	112.	33.	235.074	15.332	36.	42.	60.75	74.5
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	171	9.	11.471	104.	0.	160.729	12.678	2.5	5.	13.	22.
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	172	2.	4.218	200.	0.	232.541	15.249	1.	1.5	4.	6.
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	172	6.	13.285	800.	0.	3763.718	61.349	2.	3.	10.	18.
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	69	0.08	0.111	0.41	0.016	0.007	0.086	0.02	0.041	0.15	0.25
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	103	0.1	0.149	0.9	0.02	0.028	0.166	0.02	0.05	0.2	0.368
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	69	0.005	0.009	0.03	0.001	0.	0.007	0.005	0.005	0.01	0.02
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	102	0.01	0.024	0.6	0.005	0.005	0.072	0.005	0.005	0.02	0.04
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	69	0.52	0.51	1.06	0.02	0.053	0.23	0.18	0.35	0.675	0.81
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	84	0.455	0.461	1.2	0.005	0.052	0.227	0.16	0.27	0.627	0.735
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	159	0.4	0.448	1.6	0.05	0.066	0.258	0.2	0.3	0.6	0.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00630 NITRITE PLUS NITRATE, TOTAL I DET. (MG/L AS N)	05/11/76-06/13/79	19	0.36	0.497	1.8	0.02	0.176	0.419	0.1	0.15	0.7	0.9
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	141	0.07	0.08	0.3	0.02	0.002	0.044	0.04	0.05	0.1	0.1
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	63	0.03	0.028	0.05	0.01	0.012	0.01	0.02	0.03	0.05	0.05
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	112	0.02	0.03	0.18	0.005	0.001	0.027	0.01	0.01	0.04	0.057
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	140	4.	4.483	13.	0.9	4.58	2.14	2.	3.	6.	8.
00900 HARDNESS, TOTAL (MG/L AS CACO ₃)	08/27/87-12/10/98	61	28.	29.164	58.	18.	38.206	6.181	23.2	26.	32.	36.
00940 CHLORIDE, TOTAL IN WATER MG/L	08/10/94-12/10/98	46	6.	6.141	14.	2.5	7.374	2.716	2.5	5.	7.	10.6
00945 SULFATE, TOTAL (MG/L AS SO ₄)	06/29/77-12/10/98	47	7.	10.457	152.	2.5	448.987	21.189	6.	6.	8.	12.
00955 SILICA, DISSOLVED (MG/L AS SI02)	05/03/88-12/01/94	67	10.1	9.563	13.	1.1	5.821	2.413	6.18	8.9	11.	12.
01002 ARSENIC, TOTAL (UG/L AS AS)	05/02/77-07/07/86	7##	0.5	0.643	1.	0.5	0.06	0.244	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-07/30/97	4##	6.75	5.674	8.295	0.9	11.26	3.356	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)	07/25/83-07/25/83	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/02/77-07/07/86	7##	0.5	2.429	5.	0.5	5.786	2.405	**	**	**	**
01028 CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	4##	0.098	0.176	0.415	0.095	0.025	0.159	**	**	**	**
01029 CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	4	21.745	18.41	25.	5.15	81.242	9.013	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/02/77-07/07/86	7##	5.	3.143	5.	0.5	5.393	2.322	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/02/77-07/07/86	7##	5.	7.857	20.	5.	32.143	5.669	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-07/30/97	4	18.895	15.593	22.8	1.78	90.33	9.504	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	10/23/79-10/23/79	1	300.	300.	300.	300.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/02/77-07/07/86	7##	1.5	4.643	25.	0.5	80.81	8.989	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-07/30/97	4	17.945	21.893	49.9	1.78	407.923	20.197	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	10/23/79-10/23/79	1	20.	20.	20.	0.	0.	0.	**	**	**	**
01059 THALLIUM, TOTAL (UG/L AS TL)	07/25/83-07/25/83	1	1.	1.	1.	0.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	05/02/77-05/02/77	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	10/23/79-07/07/86	6##	7.5	17.5	50.	5.	347.5	18.641	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	4	9.95	8.125	11.7	0.9	25.696	5.069	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/02/77-07/07/86	7##	5.	10.714	30.	5.	103.571	10.177	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-07/30/97	4	54.495	53.725	96.3	9.61	1259.744	35.493	**	**	**	**
01140 SILICON, DISSOLVED (UG/L AS SI)	08/02/88-08/16/88	2	9800.	9800.	10500.	9100.	980000.	989.949	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/25/83-07/25/83	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
31505 COLIFORM, TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/04/76-07/11/77	3	440.	3276.667	9300.	90.	27241033.333	5219.294	**	**	**	**
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/04/76-07/11/77	3	2.643	2.855	3.968	1.954	1.048	1.024	**	**	**	**
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506				716.791								
31614 FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/15/94-06/07/94	3	33.	34.667	49.	22.	184.333	13.577	**	**	**	**
31614 LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/15/94-06/07/94	3	1.519	1.517	1.69	1.342	0.03	0.174	**	**	**	**
31614 GM FECAL COLIFORM,MPN,TUBE CONFIGURATION				32.889								
31615 FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/04/92-09/15/97	23	45.	248.261	2200.	1.	309503.02	556.33	9.	20.	120.	1244.
31615 LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	02/04/92-09/15/97	23	1.653	1.737	3.342	0.	0.573	0.757	0.954	1.301	2.079	3.038
31615 GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)				54.601								
31616 FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	105	100.	476.59	8000.	2.	1176440.167	1084.638	50.	50.	400.	1280.
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	105	2.	2.14	3.903	0.301	0.408	0.639	1.699	1.699	2.602	3.106
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				137.976								
34259 DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34351 ENDOSULFAN SULFATE TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34356 ENDOSULFAN, BETA TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34366 ENDRIN ALDEHYDE TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34671 PCB - 1016 TOTWUG/L	07/07/86-07/07/86	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
38442 DICAMBA (BANVEL) WATER,DISSUG/L	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38451 DICHLORPROP WATER,SUSPUG/L	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38745 2,4-DB WATER, TOTUG/L	07/07/86-07/07/86	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/23/79-07/07/86	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39062 CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39065 CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39068 CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39071 CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39300 P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39305 O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39310 P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39315 O,P'DDD DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39320 P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39327 ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	7	0.	0.007	0.05	0.	0.	0.019	**	**	**	**

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Parameter Inventory for Station: FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/30/81-07/30/97	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	4	0.	0.013	0.05	0.	0.001	0.025	**	**	**	**
39400	TOXAPENE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/06/82-07/12/84	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/30/81-06/23/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39700	HEXAChLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/24/76-08/27/87	27	0.1	0.122	1.	0.	0.04	0.201	0.	0.	0.2	0.3
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	05/11/76-06/13/79	19 ##	0.05	0.074	0.2	0.05	0.002	0.048	0.05	0.05	0.1	0.2
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	60	0.04	0.04	0.16	0.005	0.001	0.026	0.01	0.02	0.05	0.07
71900	MERCURY, TOTAL (UG/L AS HG)	05/02/77-07/07/86	7 ##	0.15	0.2	0.4	0.15	0.009	0.096	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-07/30/97	3 ##	0.1	0.097	0.1	0.09	0.	0.006	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	07/07/86-07/07/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: FRSP0010

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	6	0	0.00	2	0	0.00	4	0	0.00					
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	58	0	0.00	21	0	0.00	19	0	0.00	18	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	126	0	0.00	48	0	0.00	41	0	0.00	37	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	64	0	0.00	33	0	0.00	12	0	0.00	19	0	0.00		
00400	PH	Fresh Chronic	9.	181	0	0.00	76	0	0.00	50	0	0.00	55	0	0.00		
00403	PH, LAB	Other-Lo Lim.	6.5	181	32	0.18	76	12	0.16	50	9	0.18	55	11	0.20		
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	69	0	0.00	22	0	0.00	20	0	0.00	27	0	0.00		
00615	NITRITE NITROGEN, TOTAL AS N'	Drinking Water	1.	102	0	0.00	45	0	0.00	26	0	0.00	31	0	0.00		
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	69	0	0.00	22	0	0.00	20	0	0.00	27	0	0.00		
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	84	0	0.00	34	0	0.00	27	0	0.00	23	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	19	0	0.00	11	0	0.00	8	0	0.00					
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	46	0	0.00	18	0	0.00	17	0	0.00	11	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	46	0	0.00	18	0	0.00	17	0	0.00	11	0	0.00		
01002	ARSENIC, TOTAL	Fresh Acute	360.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00		
01012	BERYLLIUM, TOTAL	Drinking Water	50.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00		
01027	CADMIUM, TOTAL	Fresh Acute	3.9	4&	0	0.00	4	0	0.00								
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00		
01042	COPPER, TOTAL	Fresh Acute	18.	7	1	0.14	5	1	0.20	1	0	0.00	1	0	0.00		
		Drinking Water	1300.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

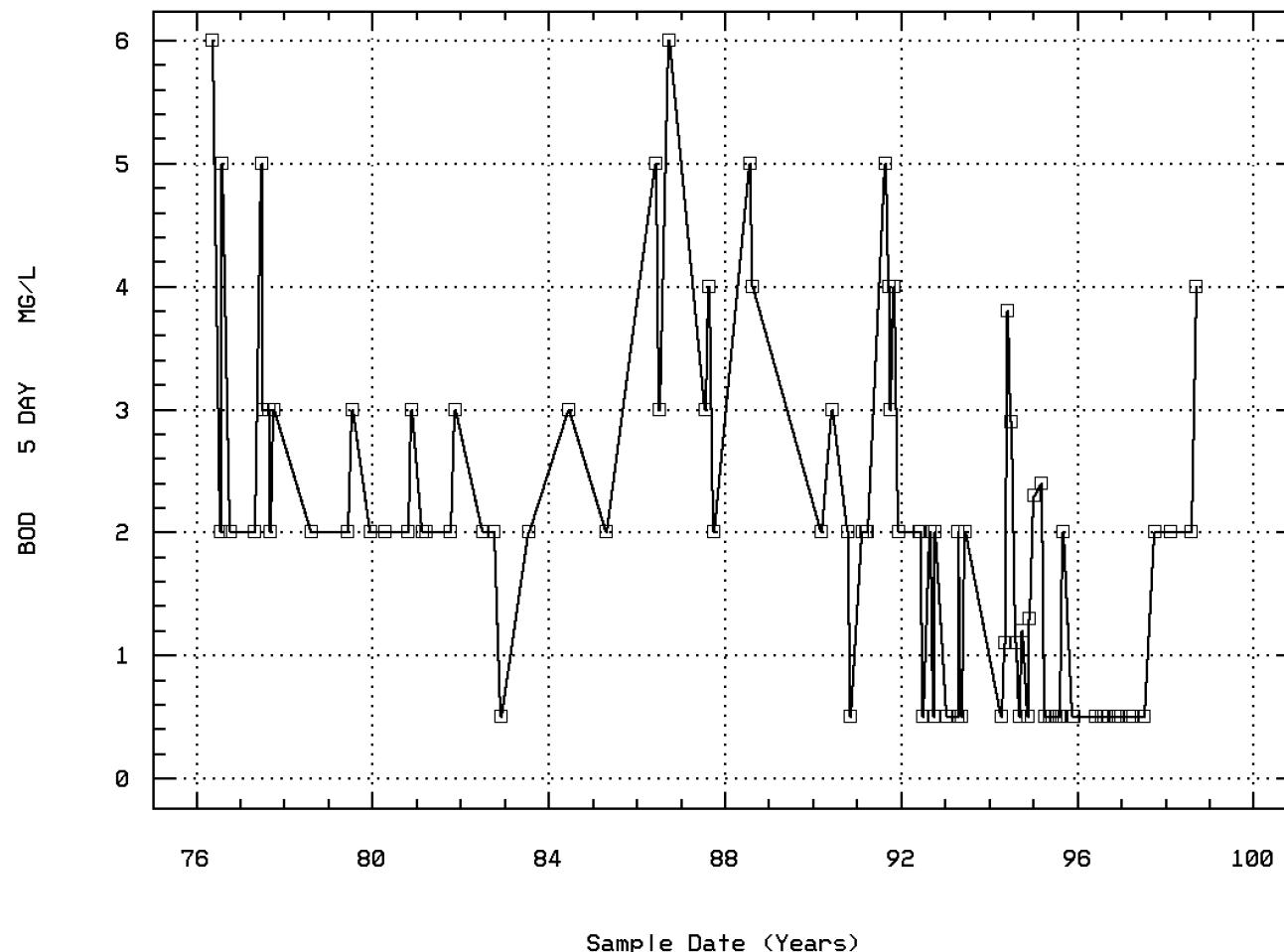
EPA Water Quality Criteria Analysis for Station: FRSP0010

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
01051	LEAD, TOTAL	Fresh Acute	82.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	15.	7	1	0.14	5	1	0.20	1	0	0.00	1	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
		Drinking Water	100.	1	0	0.00							1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	6	0	0.00	5	0	0.00	1	0	0.00						
		Drinking Water	100.	6	0	0.00	5	0	0.00	1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	7	0	0.00	5	0	0.00	1	0	0.00						
		Drinking Water	5000.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	3	1	0.33	2	1	0.50				1	0	0.00			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	3	0	0.00				1	0	0.00	2	0	0.00			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	23	4	0.17	10	3	0.30	9	1	0.11	4	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	105	39	0.37	43	14	0.33	27	10	0.37	35	15	0.43			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	1.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	2.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	2.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00			
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00									
		Drinking Water	3.	1	0	0.00	1	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.4	1	0	0.00	1	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	3	0	0.00	3	0	0.00									
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	1.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00			
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	27	15	0.56	17	13	0.76	3	0	0.00	7	2	0.29			
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	2.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: FRSP0010 Parameter Code: 00310

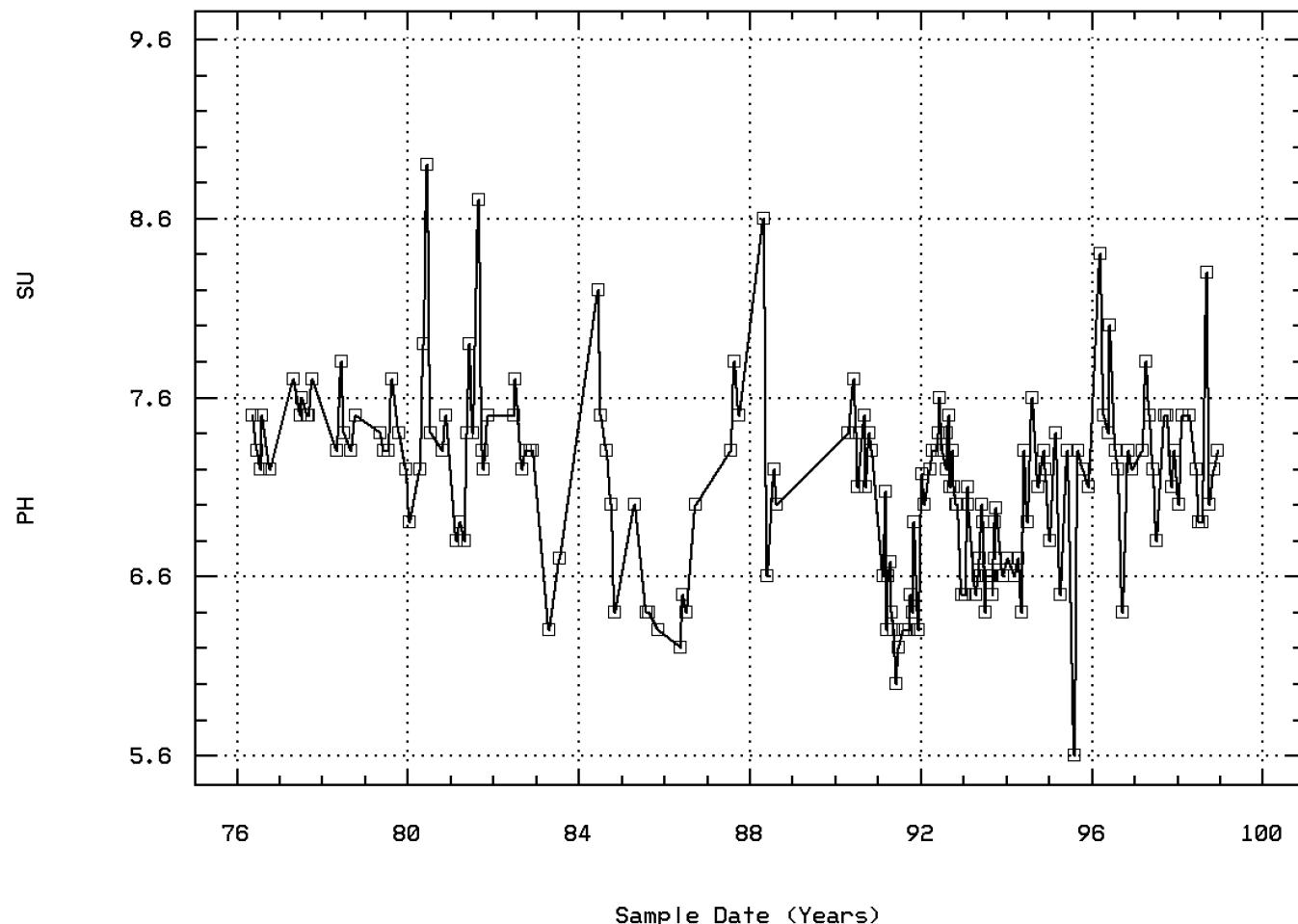
BOD, 5 DAY, 20 DEG C



100 YARDS BELOW MASSAPONOX STP

Station: FRSP0010 Parameter Code: 00400

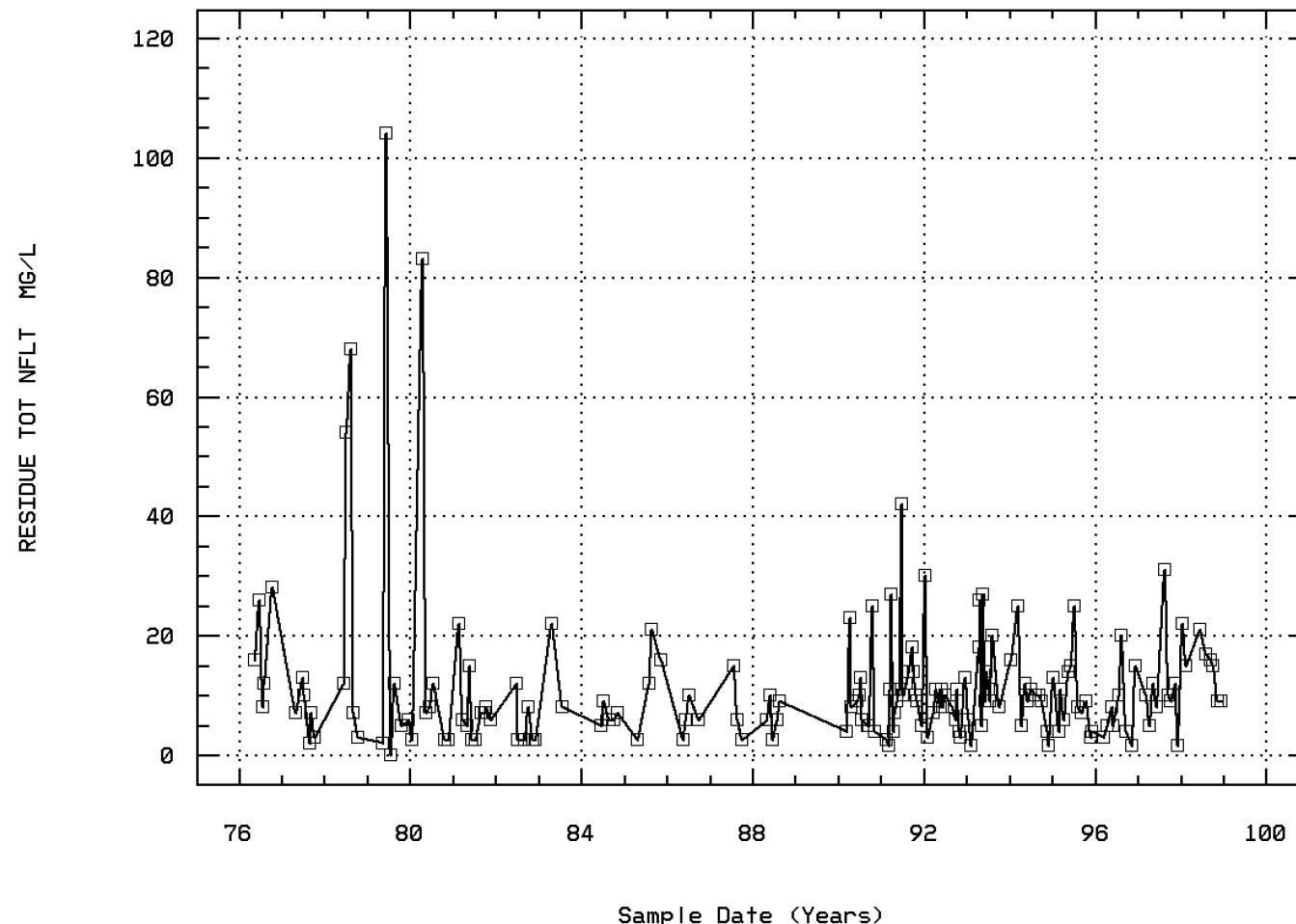
PH (STANDARD UNITS)



100 YARDS BELOW MASSAPONOX STP

Station: FRSP0010 Parameter Code: 00530

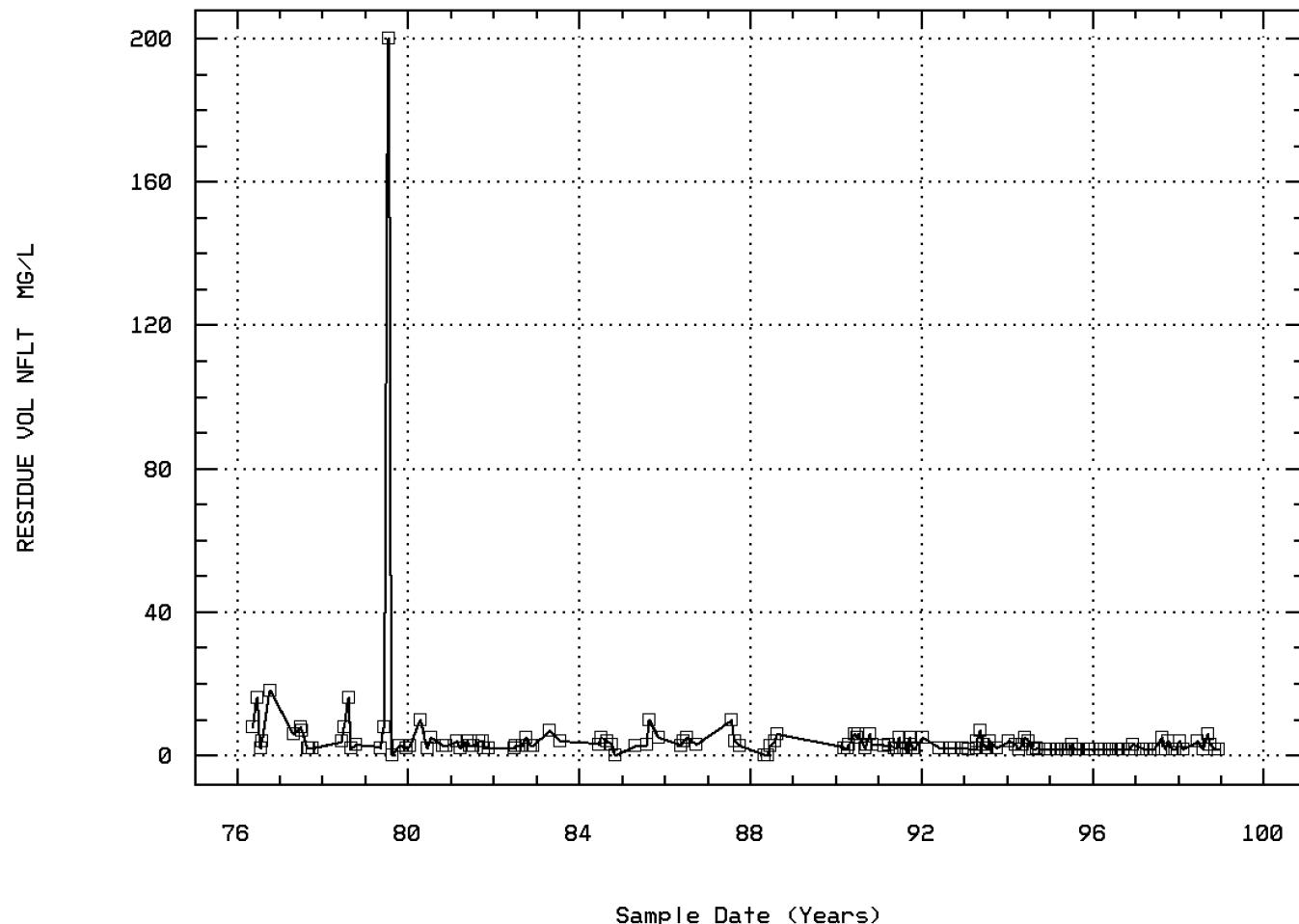
RESIDUE, TOTAL NONFILTRABLE (MG/L)



100 YARDS BELOW MASSAPONOX STP

Station: FRSP0010 Parameter Code: 00535

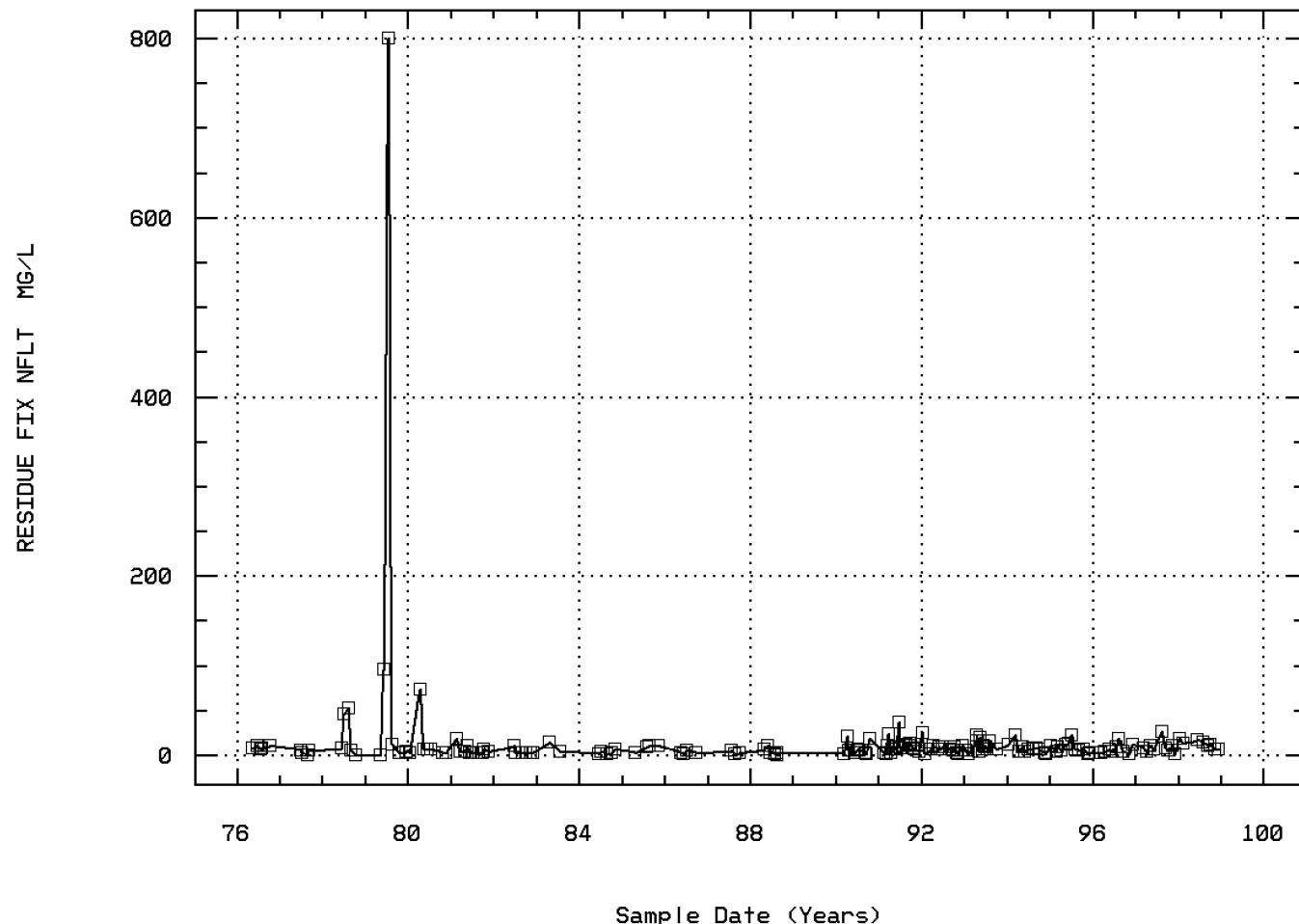
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



100 YARDS BELOW MASSAPONOX STP

Station: FRSP0010 Parameter Code: 00540

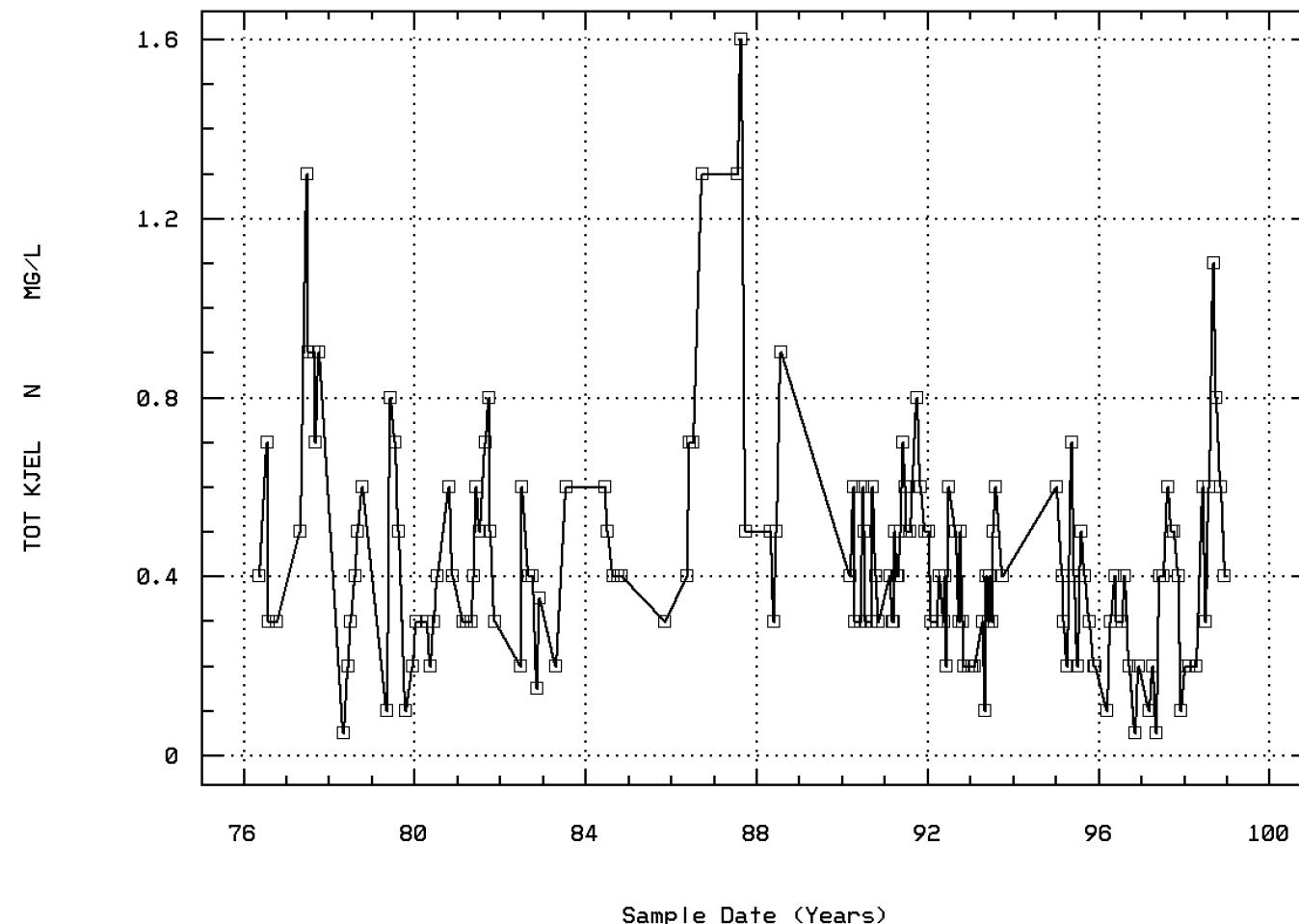
RESIDUE, FIXED NONFILTRABLE (MG/L)



100 YARDS BELOW MASSAPONOX STP

Station: FRSP0010 Parameter Code: 00625

NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



100 YARDS BELOW MASSAPONOX STP

Annual Analysis for 1976 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	4	28.3	24.7	28.9	13.3	57.84	7.605	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	5	2.	3.2	6.	1.	4.7	2.168	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	5	7.3	7.34	7.5	7.2	0.023	0.152	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	5	7.3	7.32	7.5	7.2	0.024	0.153	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/11/76-12/10/98	5	0.05	0.048	0.063	0.032	0.	0.016	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	5	16.	18.	28.	8.	76.	8.718	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	5	8.	9.6	18.	2.	50.8	7.127	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	5	8.	8.4	10.	6.	2.8	1.673	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	5	0.1	0.1	0.2	0.05	0.004	0.061	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	5	0.01	0.093	0.42	0.005	0.033	0.183	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	4	0.35	0.425	0.7	0.3	0.036	0.189	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	5	6.	6.2	9.	4.	3.2	1.789	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	5	0.03	0.03	0.04	0.01	0.	0.012	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	6	11.5	14.483	30.	2.1	180.73	13.444	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	6	3.	3.	5.	2.	1.2	1.095	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	6	7.55	7.583	7.7	7.5	0.01	0.098	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	6	7.547	7.574	7.7	7.5	0.01	0.099	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/11/76-12/10/98	6	0.028	0.027	0.032	0.02	0.	0.006	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	7.	7.	13.	2.	17.2	4.147	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	4.	4.5	8.	2.	7.9	2.811	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	2.	2.5	5.	0.	4.7	2.168	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	6	0.5	0.5	0.9	0.2	0.08	0.283	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	6	0.02	0.023	0.04	0.005	0.	0.012	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	6	0.9	0.866	1.299	0.5	0.07	0.266	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	6	6.5	6.667	8.	5.	1.467	1.211	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO ₄)	06/29/77-12/10/98	1	152.	152.	152.	152.	0.	0.	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	6	0.02	0.022	0.04	0.005	0.	0.017	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	6	24.25	23.417	30.	16.	30.642	5.535	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	1	80.	80.	80.	0.	0.	**	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	6	1.	1.167	2.	1.	0.167	0.408	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	5	7.4	7.46	7.8	7.3	0.043	0.207	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	5	7.4	7.426	7.8	7.3	0.044	0.211	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/11/76-12/10/98	5	0.04	0.038	0.05	0.016	0.	0.014	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	5	12.	28.8	68.	3.	898.7	29.978	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	5	4.	6.6	16.	2.	32.8	5.727	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	5	8.	22.3	52.	0.5	605.7	24.611	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	6	0.15	0.158	0.3	0.05	0.008	0.092	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	6	0.01	0.018	0.05	0.005	0.	0.017	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	6	0.35	0.342	0.6	0.05	0.04	0.201	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	6	5.	5.5	9.	2.	9.1	3.017	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	6	0.05	0.043	0.08	0.01	0.001	0.029	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	6	22.	19.917	29.	2.5	84.242	9.178	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	4	79.	557.	2000.	70.	925478.667	962.018	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	6	1.5	1.667	3.	1.	0.667	0.816	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	07/25/79-12/10/98	4	5.5	7.5	16.	3.	35.	5.916	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	6	7.35	7.383	7.7	7.2	0.03	0.172	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	6	7.347	7.358	7.7	7.2	0.03	0.174	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	6	0.045	0.044	0.063	0.02	0.	0.015	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	07/25/79-12/10/98	3	76.	95.667	146.	65.	1930.333	43.936	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/25/79-12/10/98	3	30.	150.	400.	20.	46900.	216.564	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	07/25/79-12/10/98	3	56.	67.667	112.	35.	1584.333	39.804	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	5.5	21.5	104.	0.	1650.3	40.624	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	2.25	35.75	200.	0.	6481.975	80.511	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	8.	152.5	800.	0.5	101969.	319.326	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	6##	0.075	0.158	0.4	0.05	0.023	0.153	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	6##	0.008	0.019	0.05	0.005	0.	0.02	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	4	0.55	0.55	0.7	0.4	0.017	0.129	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	6	0.35	0.4	0.8	0.1	0.096	0.31	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	4##	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	4	0.025	0.035	0.08	0.01	0.001	0.031	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	6	7.	7.167	9.	6.	1.767	1.329	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	2	0.085	0.085	0.16	0.01	0.011	0.106	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	7	17.	15.414	28.	3.	89.071	9.438	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	7	82.	85.	107.	65.	287.667	16.961	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	7	1.	1.571	3.	1.	0.619	0.787	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	07/25/79-12/10/98	7	7.	6.214	13.	0.5	18.821	4.338	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	7	7.4	7.586	8.9	6.9	0.428	0.654	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	7	7.4	7.334	8.9	6.9	0.502	0.709	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	7	0.04	0.046	0.126	0.001	0.002	0.041	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	7	7.	16.786	83.	2.5	865.405	29.418	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	7	2.5	3.643	10.	1.	9.31	3.051	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	7	6.	14.214	73.	2.5	675.738	25.995	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	7##	0.05	0.086	0.2	0.05	0.003	0.056	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	6##	0.008	0.009	0.02	0.005	0.	0.006	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	7	0.45	0.5	0.8	0.17	0.045	0.212	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	7	0.3	0.357	0.6	0.2	0.016	0.127	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	7	0.1	0.114	0.3	0.05	0.007	0.085	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	7	0.01	0.041	0.13	0.01	0.002	0.046	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	7	7.	6.714	9.	5.	1.571	1.254	**	**	**	**

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Annual Analysis for 1981 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	10	17.45	17.51	31.	5.	78.03	8.833	5.19	8.4	25.6	30.67
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	10	96.5	94.8	125.	73.	280.178	16.739	73.5	79.5	105.	123.9
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	9	1.	1.556	3.	1.	0.528	0.726	1.	1.	2.	3.
00340	COD, 25N K2CR2O7 MG/L	07/25/79-12/10/98	10	6.5	8.8	17.	4.	21.956	4.686	4.1	5.75	14.25	16.8
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	10	7.35	7.39	8.7	6.8	0.33	0.574	6.8	6.875	7.6	8.62

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Annual Analysis for 1981 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	10	7.347	7.166	8.7	6.8	0.386	0.621	6.8	6.875	7.6	8.62
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	10	0.045	0.068	0.158	0.002	0.003	0.058	0.003	0.027	0.134	0.158
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	10	6.5	8.1	22.	2.5	36.044	6.004	2.5	4.375	9.75	21.3
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	10	2.5	2.8	4.	1.	1.233	1.111	1.1	2.	4.	4.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	10	4.	5.8	18.	2.5	24.789	4.979	2.5	2.875	7.25	17.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	10	0.15	0.16	0.4	0.05	0.011	0.105	0.05	0.088	0.2	0.38
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	10##	0.008	0.011	0.03	0.005	0.	0.008	0.005	0.005	0.013	0.029
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	10	0.355	0.418	1.2	0.11	0.102	0.32	0.115	0.19	0.525	1.14
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	10	0.45	0.47	0.8	0.3	0.033	0.183	0.3	0.3	0.625	0.79
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	10##	0.05	0.07	0.2	0.05	0.002	0.048	0.05	0.05	0.063	0.19
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	10	0.03	0.048	0.18	0.005	0.003	0.054	0.006	0.01	0.063	0.172
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	10	7.5	7.	13.	1.	10.	3.162	1.3	5.5	8.25	12.6

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Annual Analysis for 1982 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	4	15.65	16.325	25.5	8.5	67.856	8.237	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	1	35.	35.	35.	0.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	6	84.5	86.167	97.	76.	69.367	8.329	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	6	1.	1.25	2.	0.5	0.375	0.612	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	6	11.	10.167	14.	4.	13.367	3.656	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	6	7.3	7.383	7.7	7.2	0.034	0.183	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	6	7.3	7.355	7.7	7.2	0.035	0.186	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	6	0.05	0.044	0.063	0.02	0.	0.016	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	6##	2.5	5.	12.	2.5	16.6	4.074	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	6##	2.5	2.833	5.	2.	1.167	1.08	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	6##	2.5	3.833	10.	2.5	9.167	3.028	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	6	0.15	0.167	0.4	0.05	0.018	0.133	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	6##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	6	0.38	0.428	0.9	0.15	0.081	0.285	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	6	0.375	0.35	0.6	0.15	0.026	0.161	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	6	0.1	0.1	0.2	0.05	0.003	0.055	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	6	0.045	0.058	0.13	0.02	0.001	0.039	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	6	3.	3.167	4.	2.	0.567	0.753	**	**	**	**

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Annual Analysis for 1983 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	2	21.25	21.25	28.	14.5	91.125	9.546	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	2	0.725	0.725	1.05	0.4	0.211	0.46	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	2	63.5	63.5	67.	60.	24.5	4.95	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	2	7.	7.	9.	5.	8.	2.828	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	2	6.5	6.5	6.7	6.3	0.08	0.283	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	2	6.455	6.455	6.7	6.3	0.084	0.29	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	2	0.35	0.35	0.501	0.2	0.045	0.213	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	2	15.	15.	22.	8.	98.	9.899	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	2	5.5	5.5	7.	4.	4.5	2.121	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	2	9.5	9.5	15.	4.	60.5	7.778	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	2##	0.125	0.125	0.2	0.05	0.011	0.106	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	2	0.35	0.35	0.6	0.1	0.125	0.354	**	**	**	**

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Annual Analysis for 1983 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	2##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	2	0.4	0.4	0.6	0.2	0.08	0.283	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	2##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	2	0.045	0.045	0.06	0.03	0.	0.021	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**

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Annual Analysis for 1984 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	5	25.	23.5	32.	12.5	61.5	7.842	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	1	1.	1.	1.	0.	0.	**	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	5	80.	78.	85.	60.	107.5	10.368	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	5	1.	1.4	3.	1.	0.8	0.894	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	07/25/79-12/10/98	5	8.	9.2	15.	6.	11.7	3.421	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	5	7.3	7.28	8.2	6.4	0.437	0.661	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	5	7.3	6.931	8.2	6.4	0.589	0.768	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	5	0.05	0.117	0.398	0.006	0.026	0.161	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	5	6.	6.6	9.	5.	2.3	1.517	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	5	3.	3.	5.	0.	3.5	1.871	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	5	3.	3.6	7.	2.	4.3	2.074	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	5	0.1	0.14	0.2	0.1	0.003	0.055	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	5##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	5	0.43	0.446	0.74	0.27	0.032	0.18	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	5	0.4	0.46	0.6	0.4	0.008	0.089	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	5	0.1	0.1	0.2	0.05	0.004	0.061	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	2	0.05	0.056	0.1	0.02	0.001	0.029	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	5	5.	4.8	7.	3.	3.2	1.789	**	**	**	**

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Annual Analysis for 1985 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	4	24.	21.9	25.6	14.	28.307	5.32	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	2	0.875	0.875	1.25	0.5	0.281	0.53	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	4	73.5	79.75	105.	67.	296.917	17.231	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	4	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	07/25/79-12/10/98	4	11.	12.	20.	6.	40.	6.325	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	4	6.4	6.525	7.	6.3	0.103	0.32	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	4	6.4	6.457	7.	6.3	0.109	0.33	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	4	0.398	0.349	0.501	0.1	0.03	0.173	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	4	14.	12.875	21.	2.5	61.396	7.836	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	4	4.	5.125	10.	2.5	11.729	3.425	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	4	10.	8.375	11.	2.5	16.229	4.029	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	2##	0.125	0.125	0.2	0.05	0.011	0.106	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	2##	0.008	0.008	0.01	0.	0.005	0.004	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	2	0.385	0.385	0.64	0.13	0.13	0.361	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	2	0.025	0.025	0.03	0.02	0.	0.007	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	4	4.5	4.75	8.	2.	6.25	2.5	**	**	**	**

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Annual Analysis for 1986 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	4	25.5	25.	28.5	20.5	11.167	3.342	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	1	0.75	0.75	0.75	0.75	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	4	83.	91.	124.	74.	544.667	23.338	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	4	4.	3.75	6.	1.	4.917	2.217	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	4	8.	8.	12.	4.	13.333	3.651	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	4	6.45	6.525	7.	6.2	0.116	0.34	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	4	6.447	6.442	7.	6.2	0.125	0.354	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	4	0.357	0.361	0.631	0.1	0.048	0.219	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	4	7.05	7.175	7.9	6.7	0.263	0.512	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	4	7.047	7.009	7.9	6.7	0.299	0.547	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	4	0.09	0.098	0.2	0.013	0.006	0.077	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	4	27.5	27.25	31.	23.	10.917	3.304	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	4	6.	6.125	10.	2.5	9.396	3.065	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	4	3.5	3.625	5.	2.5	1.229	1.109	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	4	2.75	3.125	5.	2.	1.729	1.315	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	4	0.2	0.275	0.5	0.2	0.023	0.15	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	4	0.015	0.016	0.03	0.005	0.	0.011	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	4	0.21	0.208	0.32	0.09	0.009	0.097	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	4	0.7	0.775	1.3	0.4	0.143	0.377	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	4	0.15	0.15	0.2	0.1	0.003	0.058	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	4	0.045	0.043	0.06	0.02	0.	0.017	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	4	5.	4.75	6.	3.	1.583	1.258	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	4	29.1	27.75	31.2	21.6	20.73	4.553	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	3	110.	117.333	152.	90.	1001.333	31.644	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	3	3.	3.	4.	2.	1.	1.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	3	9.	12.333	25.	3.	129.333	11.372	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	4	7.4	7.475	7.8	7.3	0.056	0.236	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	4	7.389	7.433	7.8	7.3	0.058	0.241	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	4	0.041	0.037	0.05	0.016	0.	0.017	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	3	7.1	7.167	7.4	7.	0.043	0.208	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	3	7.1	7.136	7.4	7.	0.045	0.211	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	3	0.079	0.073	0.1	0.04	0.001	0.031	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	3	29.	28.	30.	25.	7.	2.646	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	3	6.	7.833	15.	2.5	41.583	6.449	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	3	4.	5.5	10.	2.5	15.75	3.969	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	3	2.5	3.167	5.	2.	2.583	1.607	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	3	0.6	0.533	0.8	0.2	0.093	0.306	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	3	0.02	0.033	0.07	0.01	0.001	0.032	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	3	0.34	0.427	0.69	0.25	0.054	0.232	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	3	1.3	1.133	1.6	0.5	0.323	0.569	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	3	0.03	0.027	0.04	0.01	0.	0.015	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	2	5.	5.	6.	4.	2.	1.414	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-12/10/98	2	29.	29.	30.	28.	2.	1.414	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	7	24.5	24.843	30.7	17.	30.82	5.552	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	5	0.6	0.74	1.1	0.5	0.083	0.288	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	6	65.	67.167	103.	6.	1271.367	35.656	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	1	73.	73.	73.	73.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	6	7.25	6.95	7.6	6.1	0.403	0.635	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	4	7.1	7.35	8.6	6.6	0.757	0.87	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	4	7.089	6.982	8.6	6.6	0.937	0.968	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	4	0.082	0.104	0.251	0.003	0.011	0.106	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	5	6.	6.7	10.	2.5	8.7	2.95	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	3.25	3.083	6.	0.	7.442	2.728	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	2.75	3.922	10.	0.03	12.595	3.549	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	5	0.2	0.23	0.41	0.14	0.011	0.104	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	5	0.03	0.028	0.03	0.02	0.	0.004	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	5	0.2	0.292	0.72	0.02	0.087	0.295	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	5	0.5	0.64	1.	0.3	0.088	0.297	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	5	0.07	0.07	0.1	0.04	0.001	0.025	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	5	0.03	0.026	0.03	0.02	0.	0.005	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	5	0.02	0.022	0.03	0.01	0.	0.008	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	3	2.	2.333	3.	2.	0.333	0.577	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/88-12/01/94	3	6.6	7.2	12.	3.	20.52	4.53	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	8	22.15	21.238	28.	13.4	34.043	5.835	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	10	0.825	0.765	1.5	0.25	0.157	0.397	0.25	0.363	1.	1.45
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	10	89.	87.	92.	80.	23.111	4.807	80.	80.75	91.	91.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	11	80.	80.909	107.	70.	85.491	9.246	71.	78.	81.	101.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	8	7.65	7.913	10.	6.5	1.807	1.344	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	11	1.	1.318	3.	0.5	0.514	0.717	0.6	1.	2.	2.8
00340	COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	10	7.	8.2	15.	4.	12.4	3.521	4.1	5.75	11.25	14.7
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	8	7.4	7.363	7.7	7.1	0.04	0.2	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	8	7.4	7.323	7.7	7.1	0.042	0.204	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	8	0.04	0.047	0.079	0.02	0.	0.021	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	11	6.7	6.755	7.4	6.3	0.081	0.284	6.34	6.6	6.9	7.32
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	11	6.7	6.681	7.4	6.3	0.087	0.294	6.34	6.6	6.9	7.32
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	11	0.2	0.208	0.501	0.04	0.015	0.122	0.052	0.126	0.251	0.464
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	11	22.	20.727	23.	16.	4.218	2.054	16.6	19.	22.	22.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	11	8.	10.182	25.	4.	54.564	7.387	4.	5.	13.	24.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	11	3.	3.545	6.	1.	3.473	1.864	1.2	2.	6.	6.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	11	5.	6.636	21.	1.	46.855	6.845	1.2	2.	7.	20.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	11	0.13	0.152	0.28	0.05	0.005	0.07	0.058	0.11	0.2	0.274
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	11	0.01	0.01	0.02	0.005	0.	0.006	0.005	0.005	0.01	0.02
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	11	0.53	0.533	0.77	0.23	0.026	0.16	0.256	0.47	0.66	0.768
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	11	0.4	0.418	0.6	0.3	0.018	0.133	0.3	0.3	0.6	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	11	0.05	0.057	0.11	0.02	0.001	0.027	0.022	0.04	0.07	0.108
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	11	0.03	0.028	0.05	0.01	0.	0.011	0.012	0.02	0.03	0.048
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	11	0.02	0.023	0.04	0.01	0.	0.008	0.012	0.02	0.03	0.038
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	11	2.9	2.755	4.4	0.9	0.991	0.995	1.06	2.	3.4	4.3
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/88-12/01/94	11	10.1	10.064	13.	4.6	5.895	2.428	5.28	9.	12.	13.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	18	13.85	16.311	28.	6.4	59.71	7.727	6.49	9.95	24.35	27.46
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	17	0.75	0.835	2.	0.15	0.284	0.533	0.23	0.5	1.25	1.92
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	18	88.5	100.778	154.	76.	696.771	26.396	76.	82.	115.5	149.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	15	79.	87.533	139.	69.	494.41	22.235	70.8	73.	93.	138.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	18	7.85	8.694	12.5	5.8	5.13	2.265	6.61	6.775	11.075	12.5
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	14	2.	2.143	5.	1.	1.824	1.351	1.	1.	3.25	4.5
00340	COD, 25N K2CR2O7 MG/L	07/25/79-12/10/98	10	13.	12.3	17.	6.	15.344	3.917	6.2	8.	16.	16.9
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	16	6.35	6.447	7.07	6.	0.073	0.27	6.14	6.3	6.6	6.951
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	16	6.347	6.38	7.07	6.	0.078	0.279	6.14	6.3	6.6	6.951
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	16	0.45	0.417	1.	0.085	0.049	0.221	0.114	0.251	0.501	0.742
00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	12	6.85	6.925	7.4	6.7	0.062	0.249	6.7	6.7	7.175	7.34
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	12	6.847	6.868	7.4	6.7	0.066	0.256	6.7	6.7	7.175	7.34
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	12	0.142	0.136	0.2	0.04	0.004	0.064	0.047	0.067	0.2	0.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	12	20.	21.	33.	16.	26.909	5.187	16.3	17.	22.5	31.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	17	10.	12.176	42.	1.5	95.936	9.795	2.3	6.	14.	30.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	17	2.	2.206	5.	1.	1.533	1.238	1.	1.	2.75	5.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	17	8.	10.206	37.	2.	74.158	8.612	2.4	5.	11.5	26.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	16	0.135	0.158	0.33	0.02	0.01	0.099	0.034	0.078	0.263	0.309
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	16 ##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.01	0.013
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	16	0.52	0.568	1.06	0.22	0.05	0.223	0.29	0.39	0.725	0.927
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	16	0.5	0.563	1.	0.3	0.047	0.216	0.3	0.4	0.675	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	16	0.09	0.084	0.2	0.03	0.002	0.042	0.037	0.043	0.1	0.151
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	16	0.03	0.029	0.05	0.01	0.	0.011	0.017	0.02	0.038	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	16	0.02	0.024	0.04	0.005	0.	0.012	0.005	0.013	0.038	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	15	3.5	3.58	6.5	1.7	1.639	1.28	1.94	2.7	4.3	5.66
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/88-12/01/94	16	10.15	8.55	12.	1.1	8.736	2.956	3.97	6.55	10.8	11.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	20	16.1	15.945	27.4	2.9	75.125	8.667	5.1	6.525	24.4	26.97
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	14	1.	1.107	2.5	0.3	0.408	0.639	0.35	0.75	1.388	2.35
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	20	81.5	82.4	100.	67.	100.884	10.044	67.5	74.25	93.25	96.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	10	82.	82.2	97.	68.	82.178	9.065	68.2	75.25	89.75	96.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	20	9.25	9.535	12.7	6.9	4.04	2.01	6.95	7.825	11.675	12.49
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	13	1.	1.231	2.	0.5	0.317	0.563	0.5	1.	2.	2.
00340	COD, 25N K2CR2O7 MG/L	07/25/79-12/10/98	2	11.5	11.5	14.	9.	12.5	3.536	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	19	7.2	7.156	7.6	6.5	0.081	0.285	6.5	7.	7.3	7.5
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	19	7.2	7.048	7.6	6.5	0.094	0.306	6.5	7.	7.3	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	19	0.063	0.09	0.316	0.025	0.007	0.083	0.032	0.05	0.1	0.316
00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	13	7.1	7.185	7.7	6.7	0.116	0.341	6.74	6.85	7.5	7.62
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	13	7.1	7.069	7.7	6.7	0.131	0.362	6.74	6.85	7.5	7.62
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	13	0.079	0.085	0.2	0.02	0.004	0.06	0.025	0.032	0.142	0.183
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	13	21.	20.692	27.	15.	13.231	3.637	15.4	18.	22.5	27.
00500	RESIDUE, TOTAL (MG/L)	07/25/79-12/10/98	1	52.	52.	52.	52.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/25/79-12/10/98	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	07/25/79-12/10/98	1	37.	37.	37.	37.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	14	8.	9.5	30.	3.	44.577	6.677	3.	5.5	11.	21.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	14	1.	1.571	5.	1.	1.187	1.089	1.	1.	2.	3.5
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	14	7.	7.929	25.	2.	32.379	5.69	2.	4.5	9.25	18.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	14	0.065	0.061	0.09	0.02	0.	0.022	0.03	0.04	0.08	0.09
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	14 ##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	14	0.57	0.561	0.93	0.14	0.067	0.258	0.145	0.43	0.785	0.895
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	14	0.3	0.357	0.6	0.2	0.016	0.128	0.2	0.275	0.5	0.55
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	14	0.05	0.063	0.12	0.03	0.001	0.027	0.035	0.048	0.085	0.11

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Annual Analysis for 1992 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	14	0.025	0.029	0.05	0.01	0.	0.013	0.015	0.02	0.043	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	14	0.02	0.02	0.04	0.01	0.	0.011	0.01	0.01	0.03	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	13	3.5	3.623	6.6	1.4	2.13	1.46	1.64	2.55	4.65	6.16
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/27/87-12/10/98	10	31.	32.4	42.	26.	22.044	4.695	26.2	29.5	36.	41.4
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/88-12/01/94	14	10.2	9.943	12.4	4.	4.061	2.015	6.45	9.225	11.175	12.2

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Annual Analysis for 1993 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	24	22.25	19.321	29.2	2.7	84.188	9.175	3.6	12.05	27.525	28.85
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	7	13.8	15.071	22.	9.	33.596	5.796	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	12	0.9	1.	2.5	0.3	0.34	0.583	0.36	0.6	1.25	2.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	24	95.5	100.083	135.	66.	613.297	24.765	73.5	77.	131.5	133.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	8	75.	75.75	95.	64.	97.929	9.896	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	24	8.45	8.692	13.3	5.7	4.979	2.231	6.05	6.725	10.9	12.2
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	11	1.	1.045	2.	0.5	0.273	0.522	0.5	0.5	1.	2.
00340	COD, .25N K ₂ CR ₂ O ₇ MG/L	07/25/79-12/10/98	1	12.	12.	12.	0.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	24	6.6	6.674	7.1	6.4	0.039	0.197	6.5	6.5	6.85	7.
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	24	6.6	6.637	7.1	6.4	0.04	0.201	6.5	6.5	6.85	7.
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/11/76-12/10/98	24	0.251	0.231	0.398	0.079	0.008	0.087	0.1	0.144	0.316	0.316
00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	11	7.	7.	7.136	8.	6.6	0.223	0.472	6.62	6.7	7.98
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	11	7.	6.963	8.	6.6	0.256	0.506	6.62	6.7	7.4	7.98
00403	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/19/86-12/10/98	11	0.1	0.109	0.251	0.01	0.007	0.082	0.011	0.04	0.2	0.241
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	05/19/86-12/10/98	11	19.	19.909	26.	14.	16.091	4.011	14.2	17.	24.	25.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	10.	12.875	27.	1.5	67.824	8.236	2.55	6.5	19.5	26.7
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	2.	2.708	7.	1.	2.839	1.685	1.	1.625	3.75	6.1
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	8.	10.292	22.	1.5	44.657	6.683	2.25	5.25	16.	21.4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	12	0.06	0.075	0.17	0.02	0.003	0.053	0.02	0.025	0.12	0.164
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	12 ##	0.005	0.007	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	12	0.43	0.478	0.84	0.21	0.043	0.207	0.222	0.32	0.64	0.822
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	12	0.3	0.333	0.6	0.1	0.019	0.137	0.13	0.225	0.4	0.57
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	12	0.06	0.059	0.1	0.03	0.001	0.024	0.03	0.033	0.08	0.097
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	12	0.02	0.023	0.05	0.01	0.	0.013	0.01	0.01	0.03	0.047
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	12	0.015	0.018	0.05	0.005	0.	0.013	0.005	0.01	0.028	0.044
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	12	3.1	3.483	6.3	2.5	1.316	1.147	2.5	2.625	4.225	5.82
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/27/87-12/10/98	11	34.	31.273	38.	26.	23.418	4.839	26.	26.	36.	37.6
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/88-12/01/94	12	9.9	9.75	12.2	6.6	1.995	1.413	7.05	9.125	10.6	11.72

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Annual Analysis for 1994 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	11	15.8	16.427	29.9	0.8	86.31	9.29	2.02	8.2	25.3	29.04
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	10	7.35	8.26	20.	3.	26.192	5.118	3.01	3.625	11.325	19.14
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	8	1.	1.203	2.	0.52	0.319	0.565	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	12	97.	94.667	111.	71.	163.879	12.802	72.8	82.75	102.5	111.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	10	88.	84.9	103.	63.	171.878	13.11	63.7	70.	95.25	102.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	11	9.1	10.082	15.3	8.2	4.502	2.122	8.26	8.7	11.7	14.58
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	10	1.1	1.39	3.8	0.5	1.203	1.097	0.5	0.5	1.7	3.71
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	10	7.	6.98	7.6	6.4	0.144	0.379	6.42	6.675	7.3	7.57
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	10	6.989	6.841	7.6	6.4	0.165	0.407	6.42	6.675	7.3	7.57
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/11/76-12/10/98	10	0.103	0.144	0.398	0.025	0.014	0.118	0.028	0.05	0.212	0.383

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Annual Analysis for 1994 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	10	6.6	6.63	6.9	6.4	0.027	0.164	6.41	6.5	6.8	6.89
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	10	6.6	6.604	6.9	6.4	0.028	0.166	6.41	6.5	6.8	6.89
00403	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/19/86-12/10/98	10	0.251	0.249	0.398	0.126	0.008	0.088	0.129	0.158	0.316	0.39
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	05/19/86-12/10/98	10	25.	22.8	30.	12.	29.956	5.473	12.4	18.25	26.	29.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	11	10.	10.227	25.	1.5	40.068	6.33	2.	5.	12.	23.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	11	2.	2.591	5.	1.5	1.641	1.281	1.5	1.5	4.	4.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	11	7.	7.773	22.	1.5	31.368	5.601	1.8	4.	9.	20.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	11	0.041	0.05	0.09	0.016	0.024	0.016	0.04	0.071	0.088	
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	11	0.008	0.008	0.017	0.001	0.	0.005	0.001	0.004	0.01	0.016
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	11	0.48	0.47	0.94	0.17	0.055	0.234	0.172	0.26	0.58	0.898
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	5	0.03	0.034	0.05	0.02	0.	0.011	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	11	0.027	0.023	0.04	0.007	0.	0.012	0.007	0.009	0.031	0.039
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	5	3.4	3.36	5.3	1.8	2.023	1.422	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/27/87-12/10/98	4	22.5	22.75	26.	20.	6.25	2.5	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/10/94-12/10/98	5	7.	7.	8.	6.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO ₄)	06/29/77-12/10/98	5	6.	6.4	7.	6.	0.3	0.548	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SiO ₂)	05/03/88-12/01/94	11	11.	10.491	12.5	7.	3.055	1.748	7.28	9.1	11.9	12.4

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Annual Analysis for 1995 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	11	11.6	14.664	25.9	2.1	91.333	9.557	2.64	5.8	25.1	25.74
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	12	8.55	13.1	35.	5.7	88.864	9.427	5.76	7.225	15.125	33.2
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	12	0.95	1.042	2.	0.3	0.299	0.547	0.33	0.725	1.6	1.94
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	11	88.	93.455	112.	82.	125.473	11.201	82.2	85.	102.	111.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	12	86.	91.917	109.	80.	115.902	10.766	80.3	84.	104.	108.1
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	11	10.5	10.182	13.6	7.1	6.034	2.456	7.14	7.9	12.2	13.44
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	12##	0.5	1.017	2.4	0.5	0.582	0.763	0.5	0.5	1.75	2.37
00340	COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	12	10.	10.208	17.	2.5	18.703	4.325	3.25	7.25	13.75	16.4
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	8	7.15	6.9	7.4	5.6	0.366	0.605	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	8	7.147	6.389	7.4	5.6	0.665	0.815	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/11/76-12/10/98	8	0.071	0.409	2.512	0.04	0.731	0.855	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	12	6.85	6.792	7.2	6.3	0.074	0.271	6.33	6.6	6.975	7.17
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	12	6.847	6.71	7.2	6.3	0.081	0.284	6.33	6.6	6.975	7.17
00403	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/19/86-12/10/98	12	0.142	0.195	0.501	0.063	0.018	0.134	0.068	0.106	0.251	0.47
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	05/19/86-12/10/98	12	21.5	21.833	31.	17.	13.788	3.713	17.	20.	23.	29.2
00500	RESIDUE, TOTAL (MG/L)	07/25/79-12/10/98	12	75.5	75.417	102.	53.	148.083	12.169	55.7	67.5	80.75	96.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/25/79-12/10/98	12	20.	21.417	33.	14.	32.265	5.68	14.3	16.75	24.75	31.8
00510	RESIDUE, TOTAL FIXED (MG/L)	07/25/79-12/10/98	12	56.	54.	78.	34.	153.636	12.395	36.4	42.25	60.75	74.7
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	8.5	9.917	25.	3.	38.811	6.23	3.3	4.5	13.75	22.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	12##	1.5	1.625	3.	1.5	0.188	0.433	1.5	1.5	1.5	2.55
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	7.	8.292	22.	1.5	31.748	5.635	1.95	4.25	11.75	19.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	12	0.065	0.077	0.21	0.02	0.003	0.056	0.02	0.025	0.105	0.189
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	12	0.01	0.012	0.05	0.005	0.	0.013	0.005	0.005	0.01	0.041
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	12	0.57	0.516	0.72	0.08	0.036	0.19	0.131	0.423	0.66	0.702
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	12	0.35	0.367	0.7	0.2	0.028	0.167	0.2	0.2	0.475	0.67
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	12##	0.075	0.075	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	12	4.75	4.608	6.	3.2	0.983	0.991	3.26	3.525	5.5	5.97
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/27/87-12/10/98	12	28.	27.917	32.	24.	6.629	2.575	24.3	26.	30.5	31.7
00940	CHLORIDE, TOTAL IN WATER MG/L	08/10/94-12/10/98	12	6.	6.333	10.	5.	2.424	1.557	5.	5.	7.	9.4
00945	SULFATE, TOTAL (MG/L AS SO ₄)	06/29/77-12/10/98	12	7.	7.5	10.	6.	1.545	1.243	6.	7.	8.75	9.7
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	12	0.04	0.041	0.07	0.02	0.	0.016	0.023	0.03	0.048	0.07

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1996 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	9	19.1	16.611	26.6	4.3	86.796	9.316	4.3	6.85	25.6	26.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	9	7.2	9.867	27.	0.4	58.778	7.667	0.4	5.35	13.7	27.
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	8	1.2	1.338	2.5	0.5	0.637	0.798	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	9	85.	83.333	87.	77.	12.	3.464	77.	80.5	86.	87.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	9	80.	80.556	87.	76.	12.778	3.575	76.	77.5	83.5	87.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	9	9.1	10.344	14.5	7.3	7.45	2.73	7.3	7.9	12.9	14.5
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	9##	0.5	0.667	1.	0.5	0.063	0.25	0.5	0.5	1.	1.
00340	COD,.25N K2CR2O7 MG/L	07/25/79-12/10/98	9	7.	6.944	10.	2.5	5.278	2.297	2.5	6.	9.	10.
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	9	7.3	7.411	8.4	6.4	0.309	0.556	6.4	7.2	7.75	8.4
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	9	7.3	7.103	8.4	6.4	0.415	0.645	6.4	7.2	7.75	8.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	9	0.05	0.079	0.398	0.004	0.015	0.122	0.004	0.021	0.063	0.398
00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	9	7.1	7.189	7.6	6.9	0.059	0.242	6.9	7.	7.4	7.6
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	9	7.1	7.135	7.6	6.9	0.062	0.249	6.9	7.	7.4	7.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	9	0.079	0.073	0.126	0.025	0.001	0.036	0.025	0.041	0.103	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	9	20.	20.667	25.	17.	10.25	3.202	17.	17.5	24.	25.
00500	RESIDUE, TOTAL (MG/L)	07/25/79-12/10/98	9	75.	69.222	93.	53.	183.944	13.563	53.	56.	77.	93.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/25/79-12/10/98	9	23.	22.778	38.	13.	61.944	7.87	13.	16.	27.5	38.
00510	RESIDUE, TOTAL FIXED (MG/L)	07/25/79-12/10/98	9	48.	46.444	55.	34.	46.028	6.784	34.	41.5	52.	55.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	9	5.	7.944	20.	1.5	37.278	6.106	1.5	3.5	12.5	20.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	9##	1.5	1.667	3.	1.5	0.25	0.5	1.5	1.5	1.5	3.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	9	4.	6.833	18.	1.5	28.	5.292	1.5	3.5	10.5	18.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	9##	0.02	0.041	0.13	0.02	0.001	0.038	0.02	0.02	0.06	0.13
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	9##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	9	0.56	0.57	0.81	0.42	0.014	0.117	0.42	0.48	0.63	0.81
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	9	0.3	0.25	0.4	0.05	0.015	0.122	0.05	0.15	0.35	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	9##	0.05	0.067	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	6	3.1	2.933	4.2	1.4	1.267	1.125	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-12/10/98	9	26.	25.889	30.	22.	6.861	2.619	22.	24.	28.	30.
00940	CHLORIDE, TOTAL IN WATER MG/L	08/10/94-12/10/98	9	5.	4.944	6.	2.5	1.028	1.014	2.5	5.	5.5	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	9	6.	6.333	7.	6.	0.25	0.5	6.	6.	7.	7.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	9	0.03	0.032	0.06	0.02	0.	0.014	0.02	0.02	0.04	0.06

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1997 - Station FRSP0010

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	9	18.7	16.911	28.2	5.9	57.424	7.578	5.9	9.65	22.95	28.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	10	10.45	12.36	25.	3.7	40.469	6.362	4.09	8.05	15.725	24.59
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	9	1.	1.356	3.	0.5	0.59	0.768	0.5	0.8	1.8	3.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	9	77.	81.444	101.	72.	96.278	9.812	72.	74.5	89.5	101.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	10	77.	83.6	107.	69.	165.156	12.851	69.6	75.75	92.	106.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	9	8.8	9.578	13.5	7.3	4.487	2.118	7.3	7.95	11.55	13.5
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	9##	1.	0.944	2.	0.5	0.215	0.464	0.5	0.5	1.	2.
00340	COD,.25N K2CR2O7 MG/L	07/25/79-12/10/98	6	8.	7.75	11.	2.5	7.975	2.824	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	9	7.3	7.333	7.8	6.8	0.083	0.287	6.8	7.15	7.5	7.8
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	9	7.3	7.245	7.8	6.8	0.091	0.302	6.8	7.15	7.5	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	9	0.05	0.057	0.158	0.016	0.002	0.043	0.016	0.032	0.071	0.158
00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	10	6.9	6.85	7.3	6.1	0.114	0.337	6.15	6.675	7.05	7.29
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	10	6.9	6.706	7.3	6.1	0.137	0.37	6.15	6.675	7.05	7.29
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	10	0.126	0.197	0.794	0.05	0.048	0.218	0.051	0.091	0.212	0.74
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	10	20.5	21.	32.	15.	25.556	5.055	15.	16.5	24.	31.2
00500	RESIDUE, TOTAL (MG/L)	07/25/79-12/10/98	10	61.5	66.4	93.	51.	153.378	12.385	51.7	58.	74.	91.4
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/25/79-12/10/98	10	17.	18.3	30.	11.	35.344	5.945	11.	14.	22.	29.5
00510	RESIDUE, TOTAL FIXED (MG/L)	07/25/79-12/10/98	10	46.	48.1	77.	38.	129.433	11.377	38.2	40.75	50.	74.9
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	9	10.	10.944	31.	1.5	67.903	8.24	1.5	6.5	12.	31.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	9##	1.5	2.167	5.	1.5	1.813	1.346	1.5	1.5	2.75	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1997 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	9	8.	8.833	26.	1.5	49.25	7.018	1.5	4.5	10.	26.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	10##	0.02	0.046	0.13	0.02	0.002	0.043	0.02	0.02	0.068	0.129
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	10##	0.008	0.009	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.019
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	10	0.605	0.538	0.81	0.2	0.044	0.21	0.207	0.323	0.712	0.804
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	10	0.4	0.325	0.6	0.05	0.038	0.196	0.055	0.1	0.5	0.59
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	10	0.1	0.08	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-12/10/98	6	25.	24.5	31.	18.	19.1	4.37	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/10/94-12/10/98	10	5.	5.2	9.	2.5	3.9	1.975	2.5	3.625	6.25	8.8
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	10	7.	6.85	10.	2.5	4.114	2.028	2.85	6.	8.	9.8
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	10	0.03	0.037	0.07	0.01	0.	0.022	0.011	0.02	0.063	0.07

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1998 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	10	17.15	17.26	27.5	6.2	69.747	8.351	6.21	9.675	26.05	27.43
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	10	9.	13.22	27.5	6.2	63.068	7.942	6.25	6.85	21.25	26.95
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	9	0.8	0.867	1.4	0.5	0.097	0.312	0.5	0.55	1.1	1.4
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	10	96.5	105.2	153.	64.	1147.289	33.872	64.3	71.5	138.	151.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	10	98.	107.6	157.	65.	1416.933	37.642	65.	68.75	145.5	156.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	10	9.9	9.46	12.9	5.4	4.847	2.202	5.61	7.725	10.85	12.8
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	10##	1.	1.5	4.	1.	0.944	0.972	1.	1.	2.	3.8
00340	COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	7	8.	9.143	17.	2.5	32.393	5.691	**	**	**	**
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	10	7.2	7.28	8.3	6.9	0.177	0.421	6.9	6.975	7.5	8.22
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	10	7.2	7.157	8.3	6.9	0.194	0.441	6.9	6.975	7.5	8.22
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	10	0.063	0.07	0.126	0.005	0.002	0.042	0.008	0.032	0.106	0.126
00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	10	6.5	6.17	6.6	3.	1.247	1.117	3.34	6.4	6.6	6.6
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	10	6.5	3.999	6.6	3.	6.485	2.546	3.34	6.4	6.6	6.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	10	0.316	100.275	1000.	0.251	99938.909	316.131	0.251	0.251	0.398	900.04
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	10	28.	25.7	35.	15.	59.567	7.718	15.	16.5	32.	34.7
00500	RESIDUE, TOTAL (MG/L)	07/25/79-12/10/98	9	87.	86.333	105.	61.	167.75	12.952	61.	77.5	95.	105.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/25/79-12/10/98	9	24.	24.	29.	15.	20.25	4.5	15.	21.5	28.5	29.
00510	RESIDUE, TOTAL FIXED (MG/L)	07/25/79-12/10/98	9	65.	62.333	80.	33.	174.75	13.219	33.	57.	70.	80.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	8	15.5	15.5	22.	9.	22.857	4.781	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	8##	2.25	2.875	6.	1.5	2.839	1.685	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	8	12.5	12.25	18.	7.	17.071	4.132	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	10	0.08	0.114	0.32	0.02	0.012	0.11	0.02	0.02	0.223	0.311
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	10	0.015	0.02	0.06	0.005	0.	0.02	0.005	0.005	0.028	0.059
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	10	0.38	0.445	0.78	0.16	0.043	0.208	0.169	0.265	0.633	0.775
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	10	0.5	0.5	1.1	0.2	0.089	0.298	0.2	0.2	0.65	1.07
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	10	0.1	0.115	0.2	0.05	0.002	0.047	0.055	0.1	0.125	0.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-12/10/98	7	35.	35.286	58.	24.	131.571	11.47	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/10/94-12/10/98	10	7.	7.5	14.	2.5	23.944	4.893	2.5	2.5	12.25	13.9
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	10	7.5	9.2	13.	6.	8.4	2.898	6.1	7.	12.25	13.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	10	0.045	0.052	0.1	0.03	0.	0.021	0.031	0.04	0.058	0.098

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	80	25.6	24.073	31.2	2.1	35.068	5.922	17.9	20.925	28.	29.18
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	38	0.8	0.785	1.8	0.4	0.075	0.273	0.49	0.5	1.	1.005
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	69	98.	128.739	2000.	67.	52696.313	229.557	78.	85.5	111.	135.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	30	87.5	93.1	157.	73.	371.472	19.274	76.2	80.	98.75	108.8
00096	SALINITY AT 25 DEGREES C (MG/ML)	05/03/88-12/01/94	20	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	48	7.45	7.546	10.5	5.4	1.231	1.11	6.09	6.725	8.5	8.81
00300	OXYGEN, DISSOLVED MG/L	06/24/76-09/29/87	33	7.9	7.761	10.4	4.8	1.447	1.203	6.	7.1	8.4	9.16
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	67	1.	1.824	6.	0.5	1.685	1.298	0.5	1.	2.	4.
00340	COD, 25N K2CR2O7 MG/L	07/25/79-12/10/98	41	11.	10.878	25.	3.	22.51	4.744	6.	7.5	14.	17.
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	76	7.2	7.097	8.7	5.6	0.243	0.493	6.4	6.7	7.4	7.6
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	76	7.2	6.799	8.7	5.6	0.333	0.577	6.4	6.7	7.4	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	76	0.063	0.159	2.512	0.002	0.092	0.304	0.025	0.04	0.2	0.398
00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	37	6.9	6.814	7.6	3.	0.482	0.694	6.6	6.7	7.1	7.24
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	37	6.9	4.566	7.6	3.	5.673	2.382	6.6	6.7	7.1	7.24
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	37	0.126	27.163	1000.	0.025	27019.471	164.376	0.058	0.079	0.2	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	37	25.	24.378	32.	15.	19.631	4.431	19.	21.	27.	31.2
00500	RESIDUE, TOTAL (MG/L)	07/25/79-12/10/98	17	79.	85.765	146.	58.	405.066	20.126	62.	75.5	95.	113.2
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/25/79-12/10/98	17	24.	46.176	400.	14.	8349.654	91.376	15.6	20.	29.5	110.4
00510	RESIDUE, TOTAL FIXED (MG/L)	07/25/79-12/10/98	17	56.	61.118	112.	42.	324.11	18.003	42.	47.	72.5	86.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	67	9.	11.507	68.	0.	113.42	10.65	2.9	6.	12.	20.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	68	3.	6.559	200.	0.	576.228	24.005	1.5	2.	4.75	7.1
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	68	6.	19.699	800.	0.	9298.58	96.429	2.	3.	9.75	16.2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	22	0.125	0.15	0.41	0.02	0.011	0.107	0.04	0.055	0.22	0.321
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	45	0.12	0.201	0.8	0.02	0.036	0.19	0.04	0.07	0.25	0.54
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	22	0.01	0.011	0.03	0.004	0.	0.007	0.005	0.005	0.012	0.02
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	45	0.01	0.028	0.42	0.005	0.004	0.063	0.005	0.008	0.025	0.054
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	22	0.44	0.437	0.76	0.14	0.031	0.177	0.203	0.258	0.573	0.702
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	34	0.39	0.401	0.81	0.01	0.044	0.209	0.1	0.25	0.573	0.695
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	63	0.5	0.586	1.6	0.2	0.081	0.284	0.3	0.4	0.7	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	52	0.1	0.089	0.2	0.02	0.002	0.04	0.05	0.05	0.1	0.121
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	21	0.03	0.034	0.05	0.01	0.	0.011	0.02	0.03	0.04	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	41	0.03	0.04	0.18	0.005	0.001	0.032	0.01	0.02	0.05	0.068
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	53	4.5	5.034	9.	1.	4.234	2.058	2.74	3.05	6.75	8.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-12/10/98	21	30.	31.	58.	24.	49.4	7.029	26.	26.5	33.	35.8
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	18	7.	7.611	13.	6.	4.605	2.146	6.	6.	8.25	12.1
00955	SILICA, DISSOLVED (MG/L AS SiO2)	05/03/88-12/01/94	20	10.1	9.785	13.	5.3	4.296	2.073	6.42	8.525	11.3	12.44
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH,44.5 C	05/11/76-12/10/98	43	100.	538.093	8000.	15.	1843027.086	1357.581	50.	50.	400.	1340.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH,44.5 C	05/11/76-12/10/98	43	2.	2.14	3.903	1.176	0.387	0.622	1.699	1.699	2.602	3.122
	GEOMETRIC MEAN =				138.043								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/24/76-08/27/87	17	0.1	0.182	1.	0.	0.054	0.232	0.	0.05	0.2	0.44
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	26	0.04	0.043	0.08	0.005	0.	0.018	0.017	0.03	0.06	0.07

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	53	6.9	7.889	19.	0.8	15.607	3.951	2.78	5.05	10.6	13.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	34	1.225	2.297	35.	0.25	34.011	5.832	0.35	0.575	2.	2.5
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	54	83.5	89.037	154.	64.	395.244	19.881	72.5	75.	95.25	113.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	32	82.	88.563	144.	63.	502.19	22.41	68.3	75.25	91.25	138.7
00096	SALINITY AT 25 DEGREES C (MG/ML)	05/03/88-12/01/94	22	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	41	11.8	11.629	15.3	6.7	2.907	1.705	9.82	11.	12.6	13.58
00300	OXYGEN, DISSOLVED MG/L	06/24/76-09/29/87	12	10.55	10.675	12.9	7.8	3.051	1.747	8.01	9.15	12.625	12.9
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	44	1.	1.352	4.	0.5	0.64	0.8	0.5	1.	2.	2.35
00340	COD, 25N K2CR2O7 MG/L	07/25/79-12/10/98	31	8.	8.032	16.	0.5	19.049	4.365	2.5	5.	11.	15.
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	50	7.085	7.009	8.4	6.3	0.169	0.411	6.41	6.6	7.3	7.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	50	7.085	6.833	8.4	6.3	0.201	0.448	6.41	6.6	7.3	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	50	0.082	0.147	0.501	0.004	0.019	0.137	0.04	0.05	0.251	0.39
00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	32	6.85	6.925	8.	6.1	0.245	0.495	6.33	6.525	7.375	7.64
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	32	6.847	6.707	8.	6.1	0.294	0.542	6.33	6.525	7.375	7.64
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	32	0.142	0.196	0.794	0.01	0.032	0.18	0.023	0.042	0.3	0.47
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	32	19.	20.75	35.	12.	34.645	5.886	15.	17.	24.25	31.4
00500	RESIDUE, TOTAL (MG/L)	07/25/79-12/10/98	16	69.	69.625	93.	53.	143.717	11.988	53.	60.	76.75	88.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/25/79-12/10/98	16	20.	21.438	30.	11.	38.663	6.218	13.8	15.5	28.75	29.3
00510	RESIDUE, TOTAL FIXED (MG/L)	07/25/79-12/10/98	16	48.	48.188	72.	33.	126.563	11.25	33.7	36.75	56.75	64.3
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	48	6.	8.323	30.	1.5	50.952	7.138	1.5	3.	11.75	22.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	48	1.5	2.094	6.	0.	1.411	1.188	1.	1.5	2.5	4.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	48	4.	6.708	25.	1.	34.722	5.893	1.5	2.5	10.	18.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	20	0.07	0.081	0.27	0.017	0.004	0.065	0.022	0.04	0.095	0.227
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	27 ##	0.05	0.088	0.23	0.02	0.007	0.082	0.02	0.02	0.2	0.212
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	20 ##	0.005	0.007	0.014	0.001	0.	0.003	0.005	0.005	0.01	0.01
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	26 ##	0.005	0.009	0.05	0.005	0.	0.009	0.005	0.005	0.01	0.02
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	20	0.75	0.653	0.94	0.15	0.057	0.239	0.188	0.51	0.833	0.924
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	27	0.62	0.574	1.2	0.16	0.05	0.224	0.202	0.43	0.7	0.802
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	43	0.3	0.306	0.6	0.05	0.021	0.144	0.1	0.2	0.4	0.56
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	43	0.05	0.07	0.2	0.03	0.002	0.039	0.03	0.05	0.1	0.106
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	18	0.025	0.026	0.05	0.01	0.	0.012	0.01	0.018	0.03	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	32	0.02	0.031	0.13	0.01	0.001	0.029	0.01	0.01	0.039	0.085
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/09/96	34	4.05	4.306	13.	0.9	5.794	2.407	1.55	2.675	5.6	6.5
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-12/10/98	19	29.	28.895	42.	18.	39.099	6.253	20.	24.	34.	38.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	17	7.	7.559	13.	2.5	5.684	2.384	5.3	6.5	8.	12.2
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/88-12/01/94	20	10.6	9.705	13.	1.1	9.123	3.02	4.66	9.375	11.925	12.38
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/11/76-12/10/98	27	100.	219.259	1200.	2.	81102.43	284.785	49.	50.	300.	584.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/11/76-12/10/98	27	2.	2.041	3.079	0.301	0.317	0.563	1.69	1.699	2.477	2.752
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	109.808								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/24/76-08/27/87	3	0.	0.	0.	0.	0.	0.	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	15	0.04	0.039	0.08	0.02	0.	0.019	0.02	0.02	0.04	0.074

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	56	20.75	20.446	32.	8.7	32.325	5.686	12.19	15.825	24.95	26.97
00078	TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-12/10/98	40	1.	0.972	1.9	0.15	0.193	0.439	0.31	0.638	1.25	1.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/25/79-12/10/98	51	80.	78.137	100.	6.	198.521	14.09	65.	73.	87.	93.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	35	78.	78.457	109.	64.	95.373	9.766	67.4	73.	82.	88.8
00096	SALINITY AT 25 DEGREES C (MG/ML)	05/03/88-12/01/94	28	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-12/10/98	37	8.3	8.611	11.8	6.6	1.859	1.363	6.88	7.5	9.55	10.6
00300	OXYGEN, DISSOLVED MG/L	06/24/76-09/29/87	19	8.5	8.726	10.8	6.8	0.963	0.981	7.2	8.3	9.3	10.4
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	53	1.	1.46	6.	0.5	1.401	1.184	0.5	1.	2.	3.
00340	COD, .25N K2CR2O7 MG/L	07/25/79-12/10/98	30	8.	8.	17.	1.	13.103	3.62	4.	5.75	10.	13.9
00400	PH (STANDARD UNITS)	05/11/76-12/10/98	55	7.3	7.18	8.9	6.	0.373	0.611	6.36	6.6	7.5	7.9
00400	CONVERTED PH (STANDARD UNITS)	05/11/76-12/10/98	55	7.3	6.82	8.9	6.	0.505	0.711	6.36	6.6	7.5	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/11/76-12/10/98	55	0.05	0.151	1.	0.001	0.04	0.201	0.013	0.032	0.251	0.439
00403	PH, LAB, STANDARD UNITS SU	05/19/86-12/10/98	36	6.9	6.903	7.9	6.4	0.112	0.334	6.5	6.7	7.1	7.4
00403	CONVERTED PH, LAB, STANDARD UNITS	05/19/86-12/10/98	36	6.9	6.798	7.9	6.4	0.123	0.351	6.5	6.7	7.1	7.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/19/86-12/10/98	36	0.126	0.159	0.398	0.013	0.011	0.103	0.04	0.079	0.2	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/19/86-12/10/98	36	20.5	20.5	28.	14.	9.743	3.121	16.	18.25	23.	24.
00500	RESIDUE, TOTAL (MG/L)	07/25/79-12/10/98	11	62.	66.909	92.	51.	190.291	13.795	51.2	54.	77.	89.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/25/79-12/10/98	11	17.	18.	25.	11.	22.2	4.712	11.4	14.	23.	24.8
00510	RESIDUE, TOTAL FIXED (MG/L)	07/25/79-12/10/98	11	42.	48.909	68.	37.	135.491	11.64	37.2	40.	60.	67.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	56	9.	14.125	104.	2.	301.33	17.359	3.55	6.	14.75	26.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0010

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	56	2.	3.196	16.	0.	8.061	2.839	1.	1.5	4.	7.3
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	56	7.	11.134	96.	0.5	251.386	15.855	2.5	4.	10.75	21.3
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	27	0.09	0.1	0.29	0.016	0.005	0.069	0.02	0.04	0.15	0.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	31	0.07	0.128	0.9	0.02	0.028	0.166	0.02	0.05	0.2	0.2
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	27##	0.005	0.009	0.03	0.001	0.	0.008	0.005	0.005	0.01	0.03
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	31	0.01	0.031	0.6	0.005	0.011	0.106	0.005	0.005	0.02	0.02
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-12/01/94	27	0.49	0.463	1.06	0.02	0.049	0.22	0.14	0.32	0.57	0.714
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/25/79-12/10/98	23	0.43	0.417	0.9	0.005	0.046	0.215	0.142	0.24	0.56	0.732
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	53	0.4	0.4	1.299	0.05	0.047	0.216	0.2	0.3	0.5	0.66
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-12/10/98	46	0.06	0.08	0.3	0.03	0.002	0.049	0.04	0.05	0.1	0.1
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-12/01/94	24	0.02	0.025	0.05	0.01	0.	0.01	0.015	0.02	0.03	0.045
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-12/01/94	39	0.02	0.021	0.07	0.005	0.	0.014	0.007	0.01	0.02	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	53	3.5	4.045	9.	1.4	3.805	1.951	2.	2.45	5.3	6.84
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/27/87-12/10/98	21	26.	27.571	38.	22.	23.757	4.874	22.	24.	30.5	36.
00945	SULFATE, TOTAL (MG/L AS SO ₄)	06/29/77-12/10/98	12	7.	18.833	152.	6.	1759.424	41.945	6.	6.	7.	109.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/88-12/01/94	27	10.	9.293	12.	3.	4.84	2.2	6.08	8.4	10.6	12.
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	35	100.	599.543	5400.	9.	1186891.138	1089.445	20.	50.	600.	2160.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	35	2.	2.216	3.732	0.954	0.513	0.716	1.301	1.699	2.778	3.333
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	164.456								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	06/24/76-08/27/87	7	0.	0.029	0.1	0.	0.002	0.049	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	19	0.03	0.036	0.16	0.005	0.001	0.037	0.01	0.01	0.04	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0011

NPS Station ID: FRSP0011
 Location: FOX SPRING "120" R02
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: NORTH ATLANTIC
 Minor Basin: RAPPAHANNOCK & YORK RIVERS
 RF1 Index: 02080104042
 RF3 Index:
 Description:

LAT/LON: 38.256948/ -77.415838

Agency: 1113RAWQ
 FIPS State/County: 51000 VIRGINIA/
 STORET Station ID(s): RAPPAHAN R02 /R02 /RP2
 Within Park Boundary: No

Date Created: / /

Depth of Water: 1
 Elevation: 0
 RF1 Mile Point: 0.910
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0011

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	1	28.5	28.5	28.5	28.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/70-08/28/70	2	0.122	0.122	0.16	0.083	0.003	0.054	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/70-08/28/70	2	0.818	0.818	0.842	0.793	0.001	0.035	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/29/70-08/28/70	2	0.355	0.355	0.42	0.29	0.008	0.092	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	07/29/70-08/28/70	2	0.215	0.215	0.22	0.21	0.	0.007	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/70-08/28/70	2	15.	15.	25.4	4.6	216.32	14.708	**	**	**	**
00690	CARBON, TOTAL (MG/L AS C)	07/29/70-07/29/70	1	10.2	10.2	10.2	10.2	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	07/29/70-08/28/70	2	0.39	0.39	0.45	0.33	0.007	0.085	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0011

Parameter	Std. Type	Std. Value	Total	Exceed	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
			Obs	Standard		Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	2	0	0.00	2	0	0.00	0	0	0	0	0

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0012

NPS Station ID: FRSP0012

Location: BUOY 120

Station Type: /TYP/A/MBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02080104

Major Basin: 02-NORTH ATLANTIC

Minor Basin: 3-RAPPAHANOCK

RF1 Index: 02080104042

RF3 Index:

Description:

VIRGINIA STATE WATER CONTROL BOARD
RIVER: RAPPAHANNOCK RI.

LAT/LON: 38.257226/ -77.418893

Agency: 21VASWCB

FIPS State/County: 51179 VIRGINIA/STAFFORD

STORET Station ID(s): 3-RPP106.80 /VA3-01-X0046/VA3-3X0046

Within Park Boundary: No

Date Created: / /

Depth of Water: 0
Elevation: 0

RF1 Mile Point: 1.020
RF3 Mile Point: 0.00

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.00

On/Off RF1: OFF
On/Off RF3:

AMBIENT MONITORING
SECTION: 01
TOPO MAP #: 0038
TOPO MAP NAME: FREDERICKSBURG, VA

BASIN: 3 RAPPAHANOCK
REGION: 3 NORTHERN VA

Parameter Inventory for Station: FRSP0012

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	46	26.1	24.537	31.1	8.9	25.897	5.089	17.62	20.	28.3	30.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	06/02/71-07/21/71	3	22.	21.	29.	12.	73.	8.544	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/02/68-10/06/75	45	7.6	7.644	10.8	3.8	2.452	1.566	5.34	6.9	8.5	9.88
00310 BOD, 5 DAY, 20 DEG C MG/L	03/31/69-09/03/70	6	1.65	1.883	3.	0.9	0.646	0.804	**	**	**	**
00400 PH (STANDARD UNITS)	07/02/68-10/06/75	43	7.	7.077	8.5	6.5	0.127	0.356	6.7	6.9	7.2	7.5
00400 CONVERTED PH (STANDARD UNITS)	07/02/68-10/06/75	43	7.	6.978	8.5	6.5	0.137	0.37	6.7	6.9	7.2	7.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-10/06/75	43	0.1	0.105	0.316	0.003	0.004	0.062	0.032	0.063	0.126	0.2
00403 PH, LAB, STANDARD UNITS SU	03/31/69-09/03/70	6	6.65	6.617	7.	6.2	0.082	0.286	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	03/31/69-09/03/70	6	6.647	6.538	7.	6.2	0.089	0.298	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/69-09/03/70	6	0.225	0.29	0.631	0.1	0.038	0.195	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/69-09/03/70	6	18.5	20.5	32.	14.	49.1	7.007	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	03/31/69-09/13/71	6	131.5	147.667	272.	101.	3997.467	63.226	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	03/31/69-09/13/71	6	41.	40.333	55.	22.	119.467	10.93	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	03/31/69-09/13/71	6	91.5	107.333	234.	56.	4267.867	65.329	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/69-09/13/71	6	14.5	22.167	48.	6.	270.167	16.437	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/31/69-09/13/71	6	5.	9.667	32.	1.	142.267	11.928	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	03/31/69-09/13/71	6	8.5	20.833	84.	5.	968.567	31.122	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/70-10/06/75	36	0.1	0.152	0.5	0.02	0.012	0.11	0.05	0.075	0.198	0.329
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	04/13/70-10/06/75	37	0.01	0.012	0.08	0.005	0.	0.013	0.005	0.005	0.01	0.02
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/70-10/06/75	37	0.47	0.472	1.019	0.05	0.056	0.236	0.178	0.31	0.615	0.792
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-10/06/75	37	0.3	0.4	1.299	0.1	0.06	0.245	0.2	0.2	0.5	0.72
00945 SULFATE, TOTAL (MG/L AS SO4)	06/22/70-10/06/75	32	12.5	16.594	75.	5.	183.539	13.548	7.3	8.	19.5	28.1
01002 ARSENIC, TOTAL (UG/L AS AS)	06/02/71-10/06/75	6 ##	2.5	3.417	9.	1.5	7.642	2.764	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	08/08/71-10/06/75	8 ##	5.	4.625	5.	2.	1.125	1.061	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-10/06/75	13 ##	5.	6.154	10.	5.	4.808	2.193	5.	5.	7.5	10.
01042 COPPER, TOTAL (UG/L AS CU)	04/13/70-05/08/74	11 ##	5.	9.545	40.	5.	107.273	10.357	5.	5.	10.	34.
01051 LEAD, TOTAL (UG/L AS PB)	06/02/71-10/06/75	11 ##	5.	5.545	10.	1.	6.273	2.505	1.8	5.	5.	10.
01055 MANGANESE, TOTAL (UG/L AS MN)	04/13/70-04/13/70	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-10/06/75	4 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	04/13/70-10/06/75	13 ##	5.	11.154	30.	5.	88.141	9.388	5.	5.	15.	30.
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-10/07/70	11	9300.	9606.364	43000.	150.	151743505.455	12318.421	198.	930.	11000.	37400.
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150)	07/02/68-10/07/70	11	3.968	3.563	4.633	2.176	0.578	0.76	2.259	2.968	4.041	4.542
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)			GEOMETRIC MEAN =		3656.837							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/02/71-10/06/75	34	200.	704.412	8000.	50.	2154146.613	1467.701	50.	50.	750.	2000.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/02/71-10/06/75	34	2.301	2.315	3.903	1.699	0.441	0.664	1.699	1.699	2.872	3.3
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	206.492								
70505	PHOSPHATE,TOTAL,COLORIMETRIC MÉTHOD (MG/L AS P)	04/13/70-10/06/75	37 ##	0.05	0.092	0.8	0.05	0.016	0.126	0.05	0.05	0.1	0.12
70507	PHOSPHORUS,IN TOTAL,ORTHOPHOSPHATE (MG/L AS P)	04/13/70-10/06/75	37	0.05	0.051	0.21	0.01	0.001	0.034	0.02	0.035	0.05	0.084
71900	MERCURY, TOTAL (UG/L AS HG)	09/03/70-10/06/75	13 ##	0.25	0.465	2.3	0.25	0.347	0.589	0.25	0.25	0.25	1.78

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0012

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a	
						Obs	Exceed	Obs	Exceed	Obs	Exceed	Obs	Exceed
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	3	0	0.00	2	0	0.00	1	0	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	45	1	0.02	31	1	0.03	13	0	0	0.00
00400	PH	Fresh Chronic	9.	43	0	0.00	30	0	0.00	12	0	0	0.00
00403	PH, LAB	Other-Lo Lim.	6.5	43	1	0.02	30	0	0.00	12	1	0.08	
		Fresh Chronic	9.	6	0	0.00	2	0	0.00	3	0	0.00	
		Other-Lo Lim.	6.5	6	2	0.33	2	1	0.50	3	1	0.33	
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	37	0	0.00	24	0	0.00	13	0	0.00	
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	37	0	0.00	24	0	0.00	13	0	0.00	
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	32	0	0.00	24	0	0.00	8	0	0.00	
01002	ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	4	0	0.00	2	0	0.00	
		Drinking Water	50.	6	0	0.00	4	0	0.00	2	0	0.00	
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	0	0.00	1	0	0.00				
		Drinking Water	5.	1 &	0	0.00	1	0	0.00				
01034	CHROMIUM, TOTAL	Drinking Water	100.	13	0	0.00	7	0	0.00	6	0	0.00	
01042	COPPER, TOTAL	Fresh Acute	18.	11	1	0.09	6	0	0.00	5	1	0.20	
		Drinking Water	1300.	11	0	0.00	6	0	0.00	5	0	0.00	
01051	LEAD, TOTAL	Fresh Acute	82.	11	0	0.00	7	0	0.00	4	0	0.00	
		Drinking Water	15.	11	0	0.00	7	0	0.00	4	0	0.00	
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	4	0	0.00	2	0	0.00	2	0	0.00	
		Drinking Water	100.	4	0	0.00	2	0	0.00	2	0	0.00	
01092	ZINC, TOTAL	Fresh Acute	120.	13	0	0.00	7	0	0.00	6	0	0.00	
		Drinking Water	5000.	13	0	0.00	7	0	0.00	6	0	0.00	
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	11	8	0.73	6	3	0.50	4	4	1.00	
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	34	18	0.53	24	10	0.42	10	8	0.80	
		Fresh Acute	2.4	13	0	0.00	8	0	0.00	5	0	0.00	
		Drinking Water	2.	13	1	0.08	8	0	0.00	5	1	0.20	

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	31	27.2	26.413	31.1	17.2	12.687	3.562	20.12	25.6	28.9	30.
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/06/75	31	7.5	7.358	10.8	3.8	2.727	1.651	4.62	6.6	8.	9.9
00400	PH (STANDARD UNITS)	07/02/68-10/06/75	30	7.	7.107	8.5	6.7	0.139	0.373	6.7	6.9	7.2	7.5
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-10/06/75	30	7.	7.006	8.5	6.7	0.15	0.387	6.7	6.9	7.2	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-10/06/75	30	0.1	0.099	0.2	0.003	0.003	0.054	0.032	0.063	0.126	0.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/06/75	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/02/68-10/06/75	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-10/06/75	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-10/06/75	1	0.016	0.016	0.016	0.016	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0012

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-10/06/75	14	20.	21.5	28.9	13.3	23.231	4.82	15.25	17.8	26.375	28.6
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/06/75	13	8.1	8.085	9.8	6.4	0.921	0.96	6.64	7.25	8.9	9.48
00400	PH (STANDARD UNITS)	07/02/68-10/06/75	12	7.	6.942	7.3	6.5	0.048	0.219	6.56	6.8	7.075	7.27
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-10/06/75	12	7.	6.888	7.3	6.5	0.051	0.226	6.56	6.8	7.075	7.27
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-10/06/75	12	0.1	0.129	0.316	0.05	0.005	0.073	0.054	0.085	0.158	0.281

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0013

NPS Station ID: FRSP0013
 Location: RT. 609 (SPOTSYLVANIA COUNTY)
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN
 RIVER: MASSAPONAX CREEK SECTION: 04 TOPO MAP #: 0039 TOPO MAP NAME: GUINEA, VA

LAT/LON: 38.228892/ -77.427503

Agency: 21VASWCB
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): 3-MAP002.61
 Within Park Boundary: No

Date Created: 03/07/92

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0013

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/14/92-11/23/98	28	14.	13.4	25.	0.5	59.872	7.738	1.99	6.5	20.275	24.24
00070 TURBIDITY, (JACKSON CANDLE UNITS)	03/17/92-03/17/92	1	8.	8.	8.	0.	0.	0.	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/15/94-11/23/98	19	8.9	11.589	25.	4.3	31.842	5.643	6.8	8.2	14.6	24.1
00080 COLOR (PLATINUM-COBALT UNITS)	03/17/92-02/17/93	4	104.5	101.	147.	48.	1670.	40.866	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/17/92-11/23/98	29	95.	102.793	301.	66.	1694.17	41.16	80.	87.5	104.	128.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/17/92-11/23/98	29	86.	97.931	303.	61.	1817.709	42.635	77.	81.	102.	126.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/14/92-11/23/98	28	9.25	9.546	13.6	6.5	4.511	2.124	6.99	7.925	11.325	13.03
00310 BOD, 5 DAY, 20 DEG C MG/L	03/17/92-11/23/98	29	1.	1.224	2.	0.5	0.255	0.505	0.5	1.	1.8	2.
00340 COD, 25N K2CR2O7 MG/L	03/17/92-11/23/98	26	14.5	13.558	24.	2.5	23.087	4.805	7.7	9.75	16.25	19.9
00400 PH (STANDARD UNITS)	05/14/92-11/23/98	27	7.1	7.096	8.5	6.3	0.206	0.454	6.6	6.8	7.4	7.6
00400 CONVERTED PH (STANDARD UNITS)	05/14/92-11/23/98	27	7.1	6.916	8.5	6.3	0.24	0.49	6.6	6.8	7.4	7.6
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/14/92-11/23/98	27	0.079	0.121	0.501	0.003	0.012	0.11	0.025	0.04	0.158	0.251
00403 PH, LAB, STANDARD UNITS SU	03/17/92-11/23/98	29	6.4	6.476	7.3	6.1	0.067	0.259	6.2	6.3	6.65	6.8
00403 CONVERTED PH, LAB, STANDARD UNITS	03/17/92-11/23/98	29	6.4	6.414	7.3	6.1	0.071	0.266	6.2	6.3	6.65	6.8
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/17/92-11/23/98	29	0.398	0.385	0.794	0.05	0.036	0.188	0.158	0.225	0.501	0.631
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	03/17/92-11/23/98	29	9.	9.172	16.	3.	12.148	3.485	5.	7.	12.	15.
00500 RESIDUE, TOTAL (MG/L)	03/17/92-11/23/98	29	80.	84.621	196.	58.	678.815	26.054	65.	69.	91.	113.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	03/17/92-11/23/98	29	26.	26.69	50.	8.	92.15	9.599	15.	20.5	32.	40.
00510 RESIDUE, TOTAL FIXED (MG/L)	03/17/92-11/23/98	29	56.	57.552	147.	23.	473.328	21.756	40.	45.5	63.	73.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/17/92-11/23/98	29	4.	8.793	71.	1.5	177.509	13.323	2.	3.	8.5	18.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/17/92-11/23/98	29 ##	1.5	2.103	11.	1.	3.882	1.97	1.	1.5	2.	3.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	03/17/92-11/23/98	29	3.	6.931	60.	1.5	127.727	11.302	1.5	2.	7.	15.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/92-11/23/98	29 ##	0.02	0.032	0.1	0.02	0.	0.02	0.02	0.02	0.04	0.06
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	29 ##	0.005	0.007	0.03	0.005	0.	0.005	0.005	0.005	0.01	0.01
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	29	0.07	0.085	0.39	0.02	0.006	0.076	0.02	0.03	0.12	0.16
00625 NITROGEN, KIELDAHL, TOTAL, (MG/L AS N)	03/17/92-11/23/98	29	0.3	0.345	0.7	0.1	0.021	0.145	0.2	0.25	0.4	0.6
00665 PHOSPHORUS, TOTAL (MG/L AS P)	03/17/92-11/23/98	29 ##	0.05	0.067	0.2	0.05	0.001	0.033	0.05	0.05	0.1	0.1
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/17/92-03/17/92	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	03/17/92-07/01/96	19	5.	5.163	8.2	2.5	2.151	1.467	3.2	4.3	6.	7.4
00900 HARDNESS, TOTAL (MG/L AS CACO3)	03/17/92-11/23/98	26	24.	25.731	40.	18.	41.485	6.441	19.4	20.	30.5	36.3
00940 CHLORIDE, TOTAL IN WATER MG/L	03/17/92-11/23/98	27	9.	11.963	76.	5.	176.96	13.303	6.	7.	11.	16.
00945 SULFATE, TOTAL (MG/L AS SO4)	03/17/92-11/23/98	27	12.	13.741	28	7.	28.199	5.31	8.	10.	16.	22.
00951 FLUORIDE, TOTAL (MG/L AS F)	03/17/92-02/17/93	4 ##	0.1	0.125	0.25	0.05	0.009	0.096	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/17/92-11/09/92	4	14.9	14.525	16.8	11.5	5.829	2.414	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	02/17/93-09/15/94	2 ##	5.	5.	5.	0.	0.		**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	02/17/93-02/17/93	1 ##	5.	5.	5.	0.	0.		**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	02/17/93-09/15/94	2 ##	3.25	3.25	5.	1.5	6.125	2.475	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	02/17/93-09/15/94	2 ##	15.	15.	25.	5.	200.	14.142	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	02/17/93-09/15/94	2 ##	15.	15.	25.	5.	200.	14.142	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	02/17/93-09/15/94	2	1633.	1633.	2207.	1059.	658952.	811.759	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	02/17/93-09/15/94	2 ##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	02/17/93-09/15/94	2	186.65	186.65	213.3	160.	1420.445	37.689	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	02/17/93-02/17/93	1 ##	10.	10.	10.	0.	0.		**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	02/17/93-09/15/94	2 ##	15.	15.	25.	5.	200.	14.142	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	02/17/93-09/15/94	2 ##	22.5	22.5	25.	20.	12.5	3.536	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	02/17/93-09/15/94	2 ##	10.	10.	10.	0.	0.		**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	03/17/92-11/23/98	28	100.	201.607	1200.	45.	80516.766	283.755	50.	50.	200.	720.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	03/17/92-11/23/98	28	2.	2.047	3.079	1.653	0.186	0.431	1.699	1.699	2.301	2.856
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	111.536								
32240	TANNIN AND LIGNIN (MG/L)	05/14/92-02/17/93	3	0.6	0.633	0.8	0.5	0.023	0.153	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	08/11/93-08/11/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
38745	2,4-DB WATER, TOTUG/L	08/11/93-08/11/93	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMPL	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMPL	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	08/11/93-08/11/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/11/93-08/11/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	02/17/93-09/15/94	2	19.	19.	20.	18.	2.	1.414	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/14/92-11/23/98	28	0.025	0.027	0.05	0.01	0.	0.009	0.02	0.02	0.03	0.04
71900	MERCURY, TOTAL (UG/L AS HG)	02/17/93-09/15/94	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	08/11/93-08/11/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82032	CALCIUM - TOTAL UG/L (AS CA)	02/17/93-02/17/93	1	4200.	4200.	4200.	4200.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-05/31/94	9	13.6	14.689	33.	3.7	79.271	8.903	3.7	8.6	20.4	33.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0013

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00			1	0	0.00	8.903	3.7	8.6	20.4	33.	

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0013

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	19	0	0.00	6	0	0.00	8	0	0.00	5	0	0.00
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	28	0	0.00	8	0	0.00	12	0	0.00	8	0	0.00
00400 PH	Fresh Chronic	9.	27	0	0.00	8	0	0.00	11	0	0.00	8	0	0.00
00403 PH, LAB	Other-Lo Lim.	6.5	27	1	0.04	8	0	0.00	11	1	0.09	8	0	0.00
	Fresh Chronic	9.	29	0	0.00	8	0	0.00	13	0	0.00	8	0	0.00
	Other-Lo Lim.	6.5	29	20	0.69	8	5	0.63	13	10	0.77	8	5	0.63
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	29	0	0.00	8	0	0.00	13	0	0.00	8	0	0.00
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	29	0	0.00	8	0	0.00	13	0	0.00	8	0	0.00
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	27	0	0.00	7	0	0.00	13	0	0.00	7	0	0.00
	Drinking Water	250.	27	0	0.00	7	0	0.00	13	0	0.00	7	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	27	0	0.00	7	0	0.00	13	0	0.00	7	0	0.00
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	4	0	0.00	1	0	0.00	3	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00			
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00				1	0	0.00			
	Drinking Water	4.	0&	0	0.00									
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1&	0	0.00	1	0	0.00						
	Drinking Water	5.	1&	0	0.00	1	0	0.00						
01034 CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	1&	0	0.00				1	0	0.00			
	Drinking Water	1300.	2	0	0.00	1	0	0.00	1	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	15.	2	0	0.00	1	0	0.00	1	0	0.00			
01059 THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00			
	Drinking Water	2.	0&	0	0.00									
01067 NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00			
01092 ZINC, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	120.	2	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	5000.	2	0	0.00	1	0	0.00	1	0	0.00			
	Fresh Acute	20.	2	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	28	9	0.32	7	3	0.43	13	1	0.08	8	5	0.63
34356 ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00						
34361 ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00						
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLING	Fresh Acute	20.	1	0	0.00	1	0	0.00						
	Drinking Water	1.	1	0	0.00	1	0	0.00						
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00						
39310 P,P'DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00						
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00						
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00						
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00						
	Drinking Water	0.2	1	0	0.00	1	0	0.00						
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00						
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00						
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00						
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00						
	Drinking Water	0.4	1	0	0.00	1	0	0.00						
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00						
	Drinking Water	0.2	1	0	0.00	1	0	0.00						
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00						
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00			
	Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00			
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/14/92-11/23/98	8	22.9	22.225	25.	16.2	8.579	2.929	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	03/17/92-11/23/98	8	98.	103.375	128.	94.	152.268	12.34	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/17/92-11/23/98	8	101.	100.5	126.	86.	170.	13.038	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/14/92-11/23/98	8	7.2	7.413	8.6	6.5	0.481	0.694	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/17/92-11/23/98	8	1.	0.963	2.	0.5	0.254	0.504	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	03/17/92-11/23/98	6	15.	14.167	19.	8.	14.167	3.764	**	**	**	**
00400	PH (STANDARD UNITS)	05/14/92-11/23/98	8	7.	7.05	7.5	6.6	0.103	0.321	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/14/92-11/23/98	8	7.	6.954	7.5	6.6	0.113	0.337	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/14/92-11/23/98	8	0.1	0.111	0.251	0.032	0.006	0.075	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/17/92-11/23/98	8	6.45	6.475	6.8	6.2	0.048	0.219	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/17/92-11/23/98	8	6.447	6.428	6.8	6.2	0.05	0.224	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/17/92-11/23/98	8	0.357	0.373	0.631	0.158	0.033	0.181	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/17/92-11/23/98	8	11.	10.375	15.	7.	8.268	2.875	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/17/92-11/23/98	8	87.5	85.625	103.	69.	124.554	11.16	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/17/92-11/23/98	8	23.	22.75	32.	8.	63.929	7.996	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	03/17/92-11/23/98	8	61.5	61.5	71.	48.	51.714	7.191	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/17/92-11/23/98	8	4.	8.438	27.	1.5	82.674	9.093	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/17/92-11/23/98	8##	1.5	2.25	6.	1.	2.643	1.626	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/17/92-11/23/98	8	3.	6.5	21.	1.5	53.643	7.324	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/92-11/23/98	8##	0.02	0.031	0.06	0.02	0.	0.016	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	8##	0.008	0.01	0.03	0.005	0.	0.008	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	8	0.075	0.085	0.14	0.02	0.002	0.039	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/17/92-11/23/98	8	0.35	0.4	0.6	0.2	0.023	0.151	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/17/92-11/23/98	8##	0.05	0.069	0.1	0.05	0.001	0.026	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/17/92-11/23/98	6	27.5	29.167	40.	24.	39.367	6.274	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	03/17/92-11/23/98	7	9.	9.429	13.	7.	4.619	2.149	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	03/17/92-11/23/98	7	16.	17.	28.	10.	56.333	7.506	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/17/92-11/23/98	7	100.	235.714	700.	50.	55595.238	235.786	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/17/92-11/23/98	7	2.	2.207	2.845	1.699	0.16	0.4	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	160.967								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/14/92-11/23/98	8	0.03	0.033	0.05	0.02	0.	0.01	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/14/92-11/23/98	12	5.9	6.4	14.3	0.5	18.193	4.265	0.92	2.65	8.	14.12
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/17/92-11/23/98	13	96.	113.154	301.	70.	3486.808	59.049	74.	86.	113.	235.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/17/92-11/23/98	13	86.	107.462	303.	62.	3780.269	61.484	68.	80.5	110.5	234.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/14/92-11/23/98	12	11.45	11.242	13.6	8.5	3.248	1.802	8.5	9.5	12.975	13.51
00310	BOD, 5 DAY, 20 DEG C MG/L	03/17/92-11/23/98	13	1.	1.315	2.	1.	0.186	0.432	1.	1.	1.8	2.
00340	COD, .25N K2CR2O7 MG/L	03/17/92-11/23/98	13	12.	12.115	22.	2.5	27.09	5.205	4.3	9.	16.	20.8
00400	PH (STANDARD UNITS)	05/14/92-11/23/98	11	7.1	7.145	8.5	6.3	0.391	0.625	6.36	6.6	7.5	8.32
00400	CONVERTED PH (STANDARD UNITS)	05/14/92-11/23/98	11	7.1	6.846	8.5	6.3	0.489	0.7	6.36	6.6	7.5	8.32
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/14/92-11/23/98	11	0.079	0.143	0.501	0.003	0.024	0.154	0.008	0.032	0.251	0.451
00403	PH, LAB, STANDARD UNITS SU	03/17/92-11/23/98	13	6.4	6.462	7.3	6.1	0.093	0.304	6.14	6.3	6.6	7.06
00403	CONVERTED PH, LAB, STANDARD UNITS	03/17/92-11/23/98	13	6.4	6.391	7.3	6.1	0.098	0.313	6.14	6.3	6.6	7.06
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/17/92-11/23/98	13	0.398	0.407	0.794	0.05	0.037	0.193	0.11	0.258	0.501	0.729
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/17/92-11/23/98	13	7.	8.154	16.	3.	16.141	4.018	3.4	5.5	11.5	15.2
00500	RESIDUE, TOTAL (MG/L)	03/17/92-11/23/98	13	73.	86.077	196.	65.	1256.577	35.448	65.	67.5	83.5	162.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/17/92-11/23/98	13	29.	30.154	50.	15.	121.308	11.014	15.4	23.	37.	49.6
00510	RESIDUE, TOTAL FIXED (MG/L)	03/17/92-11/23/98	13	50.	55.923	147.	23.	892.91	29.882	28.2	40.5	56.5	117.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/17/92-11/23/98	13	4.	5.346	16.	1.5	15.724	3.965	1.7	3.	7.5	13.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/17/92-11/23/98	13 ##	1.5	1.5	2.	1.	0.083	0.289	1.	1.5	1.5	2.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/17/92-11/23/98	13	3.	4.077	14.	1.5	12.994	3.605	1.5	1.5	5.5	11.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/92-11/23/98	13 ##	0.02	0.03	0.07	0.02	0.	0.017	0.02	0.02	0.04	0.066

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	13 ##	0.005	0.007	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	13	0.06	0.094	0.39	0.02	0.011	0.104	0.02	0.02	0.135	0.31
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/17/92-11/23/98	13	0.3	0.3	0.5	0.1	0.012	0.108	0.14	0.2	0.4	0.46
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/17/92-11/23/98	13 ##	0.05	0.073	0.2	0.05	0.002	0.044	0.05	0.05	0.1	0.16
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	03/17/92-11/23/98	13	22.	24.923	37.	18.	43.91	6.626	18.8	20.	31.	36.6
00940	CHLORIDE, TOTAL IN WATER MG/L	03/17/92-11/23/98	13	10.	15.154	76.	6.	357.141	18.898	6.	6.5	12.5	55.2
00945	SULFATE, TOTAL (MG/L AS SO ₄)	03/17/92-11/23/98	13	15.	14.077	21.	8.	14.41	3.796	8.4	11.5	17.	19.8
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	03/17/92-11/23/98	13 ##	50.	80.385	400.	45.	9418.59	97.049	47.	50.	50.	280
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	03/17/92-11/23/98	13 ##	1.699	1.788	2.602	1.653	0.067	0.259	1.672	1.699	1.699	2.361
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	61.387								
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/14/92-11/23/98	12	0.02	0.022	0.03	0.01	0.	0.006	0.013	0.02	0.028	0.03

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0013

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/14/92-11/23/98	8	15.1	15.075	20.2	10.	17.554	4.19	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	03/17/92-11/23/98	8	87.5	85.375	99.	66.	100.554	10.028	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/17/92-11/23/98	8	81.	79.875	89.	61.	71.554	8.459	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	05/14/92-11/23/98	8	9.3	9.137	11.1	7.1	1.491	1.221	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/17/92-11/23/98	8	1.1	1.338	2.	0.5	0.34	0.583	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	03/17/92-11/23/98	7	15.	15.714	24.	9.	19.905	4.461	**	**	**	**
00400	PH (STANDARD UNITS)	05/14/92-11/23/98	8	7.05	7.075	7.6	6.7	0.096	0.311	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/14/92-11/23/98	8	7.047	6.989	7.6	6.7	0.105	0.324	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/14/92-11/23/98	8	0.09	0.103	0.2	0.025	0.004	0.063	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/17/92-11/23/98	8	6.5	6.5	6.9	6.1	0.06	0.245	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/17/92-11/23/98	8	6.5	6.44	6.9	6.1	0.064	0.253	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/17/92-11/23/98	8	0.316	0.363	0.794	0.126	0.044	0.209	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	03/17/92-11/23/98	8	9.	9.625	15.	7.	8.839	2.973	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/17/92-11/23/98	8	77.5	81.25	124.	58.	418.5	20.457	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/17/92-11/23/98	8	26.5	25.	35.	14.	53.429	7.309	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	03/17/92-11/23/98	8	55.	56.25	92.	40.	286.214	16.918	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/17/92-11/23/98	8	5.	14.75	71.	3.	537.643	23.187	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/17/92-11/23/98	8	1.5	2.938	11.	1.	11.246	3.353	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/17/92-11/23/98	8	4.	12.	60.	2.	390.286	19.756	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/17/92-11/23/98	8 ##	0.02	0.036	0.1	0.02	0.001	0.028	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	8 ##	0.005	0.006	0.01	0.	0.	0.002	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/17/92-11/23/98	8	0.05	0.07	0.16	0.02	0.003	0.051	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/17/92-11/23/98	8	0.35	0.363	0.7	0.1	0.034	0.185	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/17/92-11/23/98	8 ##	0.05	0.056	0.1	0.05	0.	0.018	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	03/17/92-11/23/98	7	22.	24.286	36.	18.	36.571	6.047	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	03/17/92-11/23/98	7	9.	8.571	12.	5.	4.952	2.225	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO ₄)	03/17/92-11/23/98	7	9.	9.857	15.	7.	6.81	2.61	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	03/17/92-11/23/98	8	200.	368.75	1200.	50.	186383.929	431.722	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	03/17/92-11/23/98	8	2.301	2.329	3.079	1.699	0.224	0.474	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	213.518								
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/14/92-11/23/98	8	0.03	0.029	0.04	0.02	0.	0.008	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0014

NPS Station ID: FRSP0014

Location: NO NAME

Station Type: /TYP/A/MBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02080104

Depth of Water: 0

Elevation: 20

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

Description:

THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITATIONS ARE DESCRIBED IN: KAUFMANN, P.R., ET AL. 1988. CHEMICAL CHARACTERISTICS OF STREAMS, IN THE MID-ATLANTIC AND SOUTHEASTERN UNITED STATES. VOL.I: POPULATION DESCRIPTIONS AND PHYSICO-CHEMICAL RELATIONSHIPS. EPA/600/3-88/021A, U.S. ENVIRON. PROT. AGENCY, WASHINGTON, D.C. THE DATA IN STORET ARE THOSE REPORTED IN KAUFMANN ET AL. (1988) WITH THE FOLLOWING EXCEPTIONS: (1) UNITS FOR CHEMICAL PARAMETERS ARE TYPICALLY IN MG/L RATHER THAN MICROEQ/L; (2) NO SUBSTITUTED VALUES ARE PROVIDED FOR SUSPECT DATA; (3) TAGS AND FLAGS USED TO IDENTIFY SUSPICIOUS DATA ARE NOT SHOWN; (4) CALCULATED OR DERIVED VARIABLES ARE EXCLUDED.

LAT/LON: 38.223059/ -77.430281

Agency: 12NSS

FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA

STORET Station ID(s): 3B048082L /3B03B048082L

Within Park Boundary: No

Date Created: 10/22/88

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: FRSP0014

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/86-04/04/86	2	12.1	12.1	16.	8.2	30.42	5.515	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	03/21/86-04/04/86	2	1.	1.	1.	0.	0.	0.	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	03/21/86-04/04/86	2	25.	25.	35.	15.	200.	14.142	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/21/86-04/04/86	2	35.	35.	37.	33.	8.	2.828	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/21/86-04/04/86	2	10.8	10.8	11.6	10.	1.28	1.131	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/21/86-04/04/86	2	5.75	5.75	5.8	5.7	0.005	0.071	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/21/86-04/04/86	2	5.747	5.747	5.8	5.7	0.005	0.071	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/21/86-04/04/86	2	1.79	1.79	1.995	1.585	0.084	0.29	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	03/21/86-04/04/86	2	21.05	21.05	30.5	11.6	178.605	13.364	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/21/86-04/04/86	2	0.7	0.7	0.9	0.5	0.08	0.283	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/86-04/04/86	2	0.002	0.002	0.002	0.001	0.	0.001	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/21/86-04/04/86	2	2.5	2.5	3.1	1.9	0.72	0.849	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	03/21/86-04/04/86	2	0.3	0.3	0.4	0.2	0.02	0.141	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/21/86-04/04/86	2	1.25	1.25	1.3	1.2	0.005	0.071	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/21/86-04/04/86	2	1.25	1.25	1.3	1.2	0.005	0.071	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/21/86-04/04/86	2	1.96	1.96	2.05	1.87	0.016	0.127	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/21/86-04/04/86	2	1.095	1.095	1.13	1.06	0.002	0.049	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/21/86-04/04/86	2	3.	3.	3.	3.	0.	0.	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/21/86-04/04/86	2	8.65	8.65	8.8	8.5	0.045	0.212	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0014

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/21/86-04/04/86	2	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/21/86-04/04/86	2	14.7	14.7	15.3	14.1	0.72	0.849	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/21/86-04/04/86	2	69.45	69.45	82.9	56.	361.805	19.021	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/21/86-04/04/86	2	209.5	209.5	218.	201.	144.5	12.021	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/21/86-04/04/86	2	0.75	0.75	1.4	0.1	0.845	0.919	**	**	**	**
71885	IRON (UG/L AS FE)	03/21/86-04/04/86	2	80.945	80.945	113.92	47.97	2174.701	46.634	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/21/86-04/04/86	2	65.	65.	65.	65.	0.	0.	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	03/21/86-04/04/86	2	2.95	2.95	3.7	2.2	1.125	1.061	**	**	**	**
83509	STREAM, WIDTH METER	03/21/86-04/04/86	2	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0014

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00			1	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00			1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00			1	1	1.00	1	1	1.00			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	2	2	1.00			1	1	1.00	1	1	1.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00			1	0	0.00	1	0	0.00			
		Drinking Water	250.	2	0	0.00			1	0	0.00	1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00			1	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00			1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00			1	0	0.00	1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	2	0	0.00			1	0	0.00	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0015

NPS Station ID: FRSP0015
 Location: BUOY 121
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104042
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
 RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

LAT/LON: 38.269726/ -77.430281

Agency: 21VASWCB
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): 3-RPP108.06 /VA3-01-X0048/VA3-3X0048
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 2.150
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0015

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-08/28/74	38	26.7	24.329	32.2	8.9	28.737	5.361	17.74	20.	27.925	30.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	06/02/71-07/02/71	2	18.75	18.75	29.	8.5	210.125	14.496	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/02/68-08/28/74	37	7.4	7.435	11.8	3.1	2.926	1.71	5.6	6.6	8.45	9.4
00310 BOD, 5 DAY, 20 DEG C MG/L	03/31/69-09/03/70	6	2.05	2.2	3.6	0.8	0.892	0.944	**	**	**	**
00400 PH (STANDARD UNITS)	07/02/68-08/28/74	37	7.	7.032	8.4	6.6	0.119	0.345	6.7	6.8	7.15	7.54
00400 CONVERTED PH (STANDARD UNITS)	07/02/68-08/28/74	37	7.	6.944	8.4	6.6	0.127	0.356	6.7	6.8	7.15	7.54
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-08/28/74	37	0.1	0.114	0.251	0.004	0.003	0.058	0.029	0.071	0.158	0.2
00403 PH, LAB, STANDARD UNITS SU	03/31/69-09/03/70	6	6.5	6.517	6.9	6.2	0.066	0.256	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	03/31/69-09/03/70	6	6.5	6.458	6.9	6.2	0.07	0.264	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/31/69-09/03/70	6	0.316	0.348	0.631	0.126	0.035	0.188	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	03/31/69-09/03/70	6	18.	19.667	29.	13.	41.067	6.408	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	03/31/69-09/13/71	6	173.5	189.167	293.	88.	5816.567	76.266	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	03/31/69-09/13/71	6	42.	44.5	73.	26.	295.1	17.178	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	03/31/69-09/13/71	6	120.	144.667	253.	62.	5590.267	74.768	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/31/69-09/13/71	6	20.	35.5	117.	5.	1694.7	41.167	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/31/69-09/13/71	5	7.	8.4	14.	2.	22.3	4.722	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	03/31/69-09/13/71	6	13.	28.5	103.	3.	1452.7	38.114	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/13/70-08/28/74	28	0.14	0.165	0.7	0.01	0.023	0.151	0.049	0.05	0.195	0.39
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	04/13/70-08/28/74	29	0.01	0.013	0.08	0.005	0.	0.014	0.005	0.005	0.015	0.02
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/13/70-08/28/74	29	0.48	0.452	1.019	0.07	0.056	0.237	0.13	0.255	0.565	0.79
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-08/28/74	29	0.4	0.479	1.299	0.1	0.09	0.3	0.2	0.25	0.6	0.9
00945 SULFATE, TOTAL (MG/L AS SO4)	06/22/70-08/28/74	26	15.	21.154	75.	6.	266.455	16.323	7.7	10.	24.5	45.4
01002 ARSENIC, TOTAL (UG/L AS AS)	06/02/71-08/01/73	5 ##	2.5	3.2	6.	2.5	2.45	1.565	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	08/08/71-08/01/73	6 ##	5.	5.333	7.	5.	0.667	0.816	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-05/08/74	11 ##	5.	8.182	20.	5.	21.364	4.622	5.	5.	10.	18.
01042 COPPER, TOTAL (UG/L AS CU)	04/13/70-05/08/74	11 ##	5.	11.364	30.	5.	105.455	10.269	5.	5.	20.	30.
01051 LEAD, TOTAL (UG/L AS PB)	06/02/71-05/08/74	9 ##	5.	10.556	40.	5.	146.528	12.105	5.	5.	12.5	40.
01055 MANGANESE, TOTAL (UG/L AS MN)	04/13/70-04/13/70	1	40.	40.	40.	40.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-08/01/73	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	04/13/70-05/08/74	11	20.	34.091	130.	5.	2089.091	45.707	5.	5.	30.	128.
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-10/07/70	11	11000.	67914.545	460000.	230.19241789747.273	138714.778	270.	1500.	93000.	398000.	
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150)	07/02/68-10/07/70	11	4.041	3.945	5.663	2.362	1.054	1.026	2.416	3.176	4.968	5.565
31505 GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)			GEOMETRIC MEAN =		8817.913							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/02/71-08/28/74	24	550.	860.417	6000.	50.	1542821.558	1242.104	50.	100.	1200.	1800.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/02/71-08/28/74	24	2.739	2.566	3.778	1.699	0.395	0.628	1.699	2.	3.079	3.255
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	367.942								
70505	PHOSPHATE,TOTAL,COLORIMETRIC MÉTHOD (MG/L AS P)	04/13/70-08/28/74	29 ##	0.05	0.064	0.1	0.05	0.001	0.023	0.05	0.05	0.1	0.1
70507	PHOSPHORUS,IN TOTAL,ORTHOPHOSPHATE (MG/L AS P)	04/13/70-08/28/74	29	0.05	0.052	0.16	0.01	0.001	0.029	0.02	0.035	0.055	0.1
71900	MERCURY, TOTAL (UG/L AS HG)	09/03/70-05/08/74	11 ##	0.25	0.291	0.7	0.25	0.018	0.136	0.25	0.25	0.25	0.61

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0015

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a	
						Obs	Exceed	Obs	Exceed	Obs	Exceed	Obs	Exceed
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	2	0	0.00	1	0	0.00	1	0	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	37	3	0.08	25	3	0.12	1	0	0.00	11
00400	PH	Fresh Chronic	9.	37	0	0.00	25	0	0.00	1	0	0.00	11
00403	PH, LAB	Other-Lo Lim.	6.5	37	0	0.00	25	0	0.00	1	0	0.00	11
		Fresh Chronic	9.	6	0	0.00	2	0	0.00	1	0	0.00	3
		Other-Lo Lim.	6.5	6	4	0.67	2	1	0.50	1	0	0.00	3
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	29	0	0.00	18	0	0.00			11	0
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	29	0	0.00	18	0	0.00			11	0
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	26	0	0.00	18	0	0.00			8	0
01002	ARSENIC, TOTAL	Fresh Acute	360.	5	0	0.00	3	0	0.00			2	0
		Drinking Water	50.	5	0	0.00	3	0	0.00			2	0
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	1	1.00	1	1	1.00				
		Drinking Water	5.	1 &	1	1.00	1	1	1.00				
01034	CHROMIUM, TOTAL	Drinking Water	100.	11	0	0.00	6	0	0.00			5	0
01042	COPPER, TOTAL	Fresh Acute	18.	11	3	0.27	6	1	0.17			5	2
		Drinking Water	1300.	11	0	0.00	6	0	0.00			5	0
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	6	0	0.00			3	0
		Drinking Water	15.	9	2	0.22	6	2	0.33			3	0
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	2	0	0.00	1	0	0.00			1	0
		Drinking Water	100.	2	0	0.00	1	0	0.00			1	0
01092	ZINC, TOTAL	Fresh Acute	120.	11	2	0.18	6	2	0.33			5	0
		Drinking Water	5000.	11	0	0.00	6	0	0.00			5	0
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	11	9	0.82	6	4	0.67	1	1	1.00	4
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	24	16	0.67	16	10	0.63			8	6
		Fresh Acute	2.4	11	0	0.00	7	0	0.00			4	0
		Drinking Water	2.	11	0	0.00	7	0	0.00			4	0

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-08/28/74	25	27.8	26.776	32.2	19.4	11.104	3.332	20.36	25.6	29.15	30.
00300	OXYGEN, DISSOLVED MG/L	07/02/68-08/28/74	25	7.	6.94	11.8	3.1	2.778	1.667	4.	6.5	7.6	8.44
00400	PH (STANDARD UNITS)	07/02/68-08/28/74	25	7.	7.064	8.4	6.7	0.137	0.371	6.7	6.8	7.2	7.58
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-08/28/74	25	7.	6.968	8.4	6.7	0.147	0.383	6.7	6.8	7.2	7.58
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-08/28/74	25	0.1	0.108	0.2	0.004	0.003	0.055	0.027	0.063	0.158	0.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-08/28/74	1	8.9	8.9	8.9	8.9	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/02/68-08/28/74	1	10.6	10.6	10.6	10.6	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/02/68-08/28/74	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-08/28/74	1	7.7	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-08/28/74	1	0.02	0.02	0.02	0.02	0.02	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0015

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-08/28/74	12	19.45	20.517	27.8	12.8	21.329	4.618	14.12	17.8	25.575	27.62
00300	OXYGEN, DISSOLVED MG/L	07/02/68-08/28/74	11	8.5	8.273	10.2	6.2	1.48	1.217	6.28	7.2	9.	10.
00400	PH (STANDARD UNITS)	07/02/68-08/28/74	11	6.9	6.9	7.2	6.6	0.032	0.179	6.62	6.8	7.	7.18
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-08/28/74	11	6.9	6.867	7.2	6.6	0.033	0.182	6.62	6.8	7.	7.18
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-08/28/74	11	0.126	0.136	0.251	0.063	0.003	0.056	0.066	0.1	0.158	0.241

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0016

NPS Station ID: FRSP0016
 Location: RADIO TOWER NEAR PLANT R1A
 Station Type: /TYP/A/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: NORTH ATLANTIC
 Minor Basin: RAPPAHANNOCK & YORK RIVERS
 RF1 Index: 02080104042
 RF3 Index:
 Description:

LAT/LON: 38.279727/ -77.437781

Agency: 1113RAWQ
 FIPS State/County: 51000 VIRGINIA/
 STORET Station ID(s): RAPPAHAN R1A /R1A /RP1A
 Within Park Boundary: No

Date Created: / /

Depth of Water: 1
 Elevation: 0
 RF1 Mile Point: 3.040
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0016

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/28/70-08/28/70	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/28/70-08/28/70	1	0.056	0.056	0.056	0.056	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/28/70-08/28/70	1	0.539	0.539	0.539	0.539	0.	0.	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	08/28/70-08/28/70	1	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	08/28/70-08/28/70	1	0.19	0.19	0.19	0.19	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/28/70-08/28/70	1	24.7	24.7	24.7	24.7	0.	0.	**	**	**	**
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	08/28/70-08/28/70	1	0.47	0.47	0.47	0.47	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0016

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	1	0.00	1	0	0.00	0	0.00	0.00	0	0.00	0.00	0	0.00	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0017

NPS Station ID: FRSP0017	LAT/LON: 38.302781/ -77.442226	Agency: 21VASWCB	Date Created: 05/01/93
Location: ABOVE RAILROAD TRACKS (FREDERICKSBURG CITY)		FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY)	
Station Type: /TYP/A/MBNT/STREAM		STORET Station ID(s): 3-XCJ000.19	
RMI-Indexes:		Within Park Boundary: No	
RMI-Miles:			
HUC: 02080104	Depth of Water: 0	Aquifer:	
Major Basin: 02-NORTH ATLANTIC	Elevation: 0	Water Body Id:	
Minor Basin: 3-RAPPAHANOCK		ECO Region:	
RF1 Index: 02080104	RF1 Mile Point: 0.000	Distance from RF1: 0.00	On/Off RF1:
RF3 Index:	RF3 Mile Point: 0.000	Distance from RF3: 0.00	On/Off RF3:
Description:			
VIRGINIA STATE WATER CONTROL BOARD	AMBIENT MONITORING	BASIN: 3- RAPPAHANOCK	REGION: 3 NORTHERN
RIVER: UNNAMEND TRIB. TO CLAIBORNE RUN	SECTION: 04	TOPO MAP #: 0038	TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0017

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/06/85-04/17/90	2	16.4	16.4	19.5	13.3	19.22	4.384	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	06/06/85-06/06/85	1	341.	341.	341.	0.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/90-04/17/90	1	315.	315.	315.	0.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	06/06/85-04/17/90	2	8.35	8.35	10.3	6.4	7.605	2.758	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	06/06/85-04/17/90	2	8.	8.	14.	2.	72.	8.485	**	**	**	**
00340 COD, 25N K2CR2O7 MG/L	06/06/85-04/17/90	2	24.	24.	28.	20.	32.	5.657	**	**	**	**
00400 PH (STANDARD UNITS)	06/06/85-06/06/85	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	06/06/85-06/06/85	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/85-06/06/85	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	06/06/85-04/17/90	2	7.2	7.2	7.3	7.1	0.02	0.141	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	06/06/85-04/17/90	2	7.189	7.189	7.3	7.1	0.02	0.142	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/06/85-04/17/90	2	0.065	0.065	0.079	0.05	0.	0.021	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	06/06/85-04/17/90	2	98.5	98.5	113.	84.	420.5	20.506	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	06/06/85-06/06/85	1	240.	240.	240.	240.	0.	0.	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/06/85-06/06/85	1	58.	58.	58.	58.	0.	0.	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	06/06/85-06/06/85	1	182.	182.	182.	182.	0.	0.	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), MG/L	04/17/90-04/17/90	1	190.	190.	190.	190.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/06/85-04/17/90	2	18.5	18.5	19.	18.	0.5	0.707	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/06/85-04/17/90	2	5.5	5.5	7.	4.	4.5	2.121	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	06/06/85-04/17/90	2	13.	13.	14.	12.	2.	1.414	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/06/85-04/17/90	2	3.435	3.435	3.8	3.07	0.266	0.516	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	06/06/85-04/17/90	2	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	06/06/85-04/17/90	2	1.475	1.475	1.9	1.05	0.361	0.601	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/06/85-04/17/90	2	5.35	5.35	6.5	4.2	2.645	1.626	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	06/06/85-04/17/90	2	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/06/85-04/17/90	2	0.33	0.33	0.5	0.16	0.058	0.24	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	06/06/85-04/17/90	2	9.7	9.7	13.	6.4	21.78	4.667	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	06/06/85-06/06/85	1	93.	93.	93.	93.	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	06/06/85-06/06/85	1	42.	42.	42.	42.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	06/06/85-06/06/85	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)	04/17/90-04/17/90	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	06/06/85-04/17/90	2##	1.5	1.5	2.5	0.5	2.	1.414	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/06/85-04/17/90	2	9.75	9.75	17.5	2.	120.125	10.96	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0017

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/17/90-04/17/90	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	04/17/90-04/17/90	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMUM, TOTAL (UG/L AS CD)	06/06/85-04/17/90	2 ##	2.25	2.25	2.5	2.	0.125	0.354	**	**	**	**
01028	CADMUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/85-04/17/90	2 ##	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/85-04/17/90	2	15.6	15.6	22.2	9.	87.12	9.334	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	06/06/85-04/17/90	2 ##	2.75	2.75	5.	5.	10.125	3.182	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	06/06/85-04/17/90	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/06/85-04/17/90	2	11.55	11.55	21.1	2.	182.405	13.506	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	06/06/85-04/17/90	2	11545.	11545.	14000.	9090.	12054050.	3471.894	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	06/06/85-04/17/90	2 ##	1.75	1.75	2.5	1.	1.125	1.061	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/06/85-04/17/90	2	16.65	16.65	29.3	4.	320.045	17.89	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/17/90-04/17/90	1	80.	80.	80.	80.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	06/06/85-04/17/90	2	1075.	1075.	1100.	1050.	1250.	35.355	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	04/17/90-04/17/90	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	06/06/85-04/17/90	2 ##	26.25	26.25	50.	2.5	1128.125	33.588	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/06/85-04/17/90	2	6.35	6.35	11.7	1.	57.245	7.566	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	06/06/85-04/17/90	2 ##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/06/85-04/17/90	2	120.1	120.1	228.2	12.	23371.22	152.876	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	04/17/90-04/17/90	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	04/17/90-04/17/90	1	2.	2.	2.	2.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/06/85-06/06/85	1	3000.	3000.	3000.	3000.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/06/85-06/06/85	1	3.477	3.477	3.477	3.477	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		3000.									
34480	THALLIUM DRY WGTBOTMG/KG	04/17/90-04/17/90	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	06/06/85-04/17/90	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/06/85-04/17/90	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0017

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00			2	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00			1	0	0.00			
00403	PH, LAB	Other-Lo Lim.	6.5	1	1	1.00			1	1	1.00			
		Fresh Chronic	9.	2	0	0.00			2	0	0.00			
		Other-Lo Lim.	6.5	2	0	0.00			2	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00			2	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00			2	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00			1	0	0.00			
		Drinking Water	250.	1	0	0.00			1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00			1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00			2	0	0.00			
		Drinking Water	50.	2	0	0.00			2	0	0.00			
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00			1	0	0.00			
		Drinking Water	4.	1	0	0.00			1	0	0.00			
01027	CADMUM, TOTAL	Fresh Acute	3.9	2	0	0.00			2	0	0.00			
		Drinking Water	5.	2	0	0.00			2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00			2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00			2	0	0.00			
		Drinking Water	1300.	2	0	0.00			2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00			2	0	0.00			
		Drinking Water	15.	2	0	0.00			2	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00			1	0	0.00			
		Drinking Water	2.	0 &	0	0.00								
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00			2	0	0.00			
		Drinking Water	100.	2	0	0.00			2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00			2	0	0.00			
		Drinking Water	5000.	2	0	0.00			2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0017

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
		Drinking Water	50.	1	0	0.00							1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00							1	1	1.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00							2	0	0.00			
		Drinking Water	2.	2	0	0.00							2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0018

NPS Station ID: FRSP0018
 Location: 100 YARDS BELOW FMC DISCHARGE
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104042
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
 RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

LAT/LON: 38.282781/ -77.442782

Agency: 21VASWCB
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): 3-RPP107.33 /VA3-01-X0047/VA3-3X0047
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 3.390
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0018

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/26/74-06/15/88	33	24.	21.703	31.7	2.2	60.99	7.81	7.12	17.	27.9	29.76
00078 TRANSPARENCY, SECCHI DISC (METERS)	05/03/88-06/15/88	3	1.25	1.333	2.	0.75	0.396	0.629	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	05/03/88-06/15/88	7	58.	57.571	60.	55.	6.286	2.507	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-06/15/88	2	73.	73.	80.	66.	98.	9.899	**	**	**	**
00096 SALINITY AT 25 DEGREES C (MG/ML)	05/03/88-06/15/88	7	0.	0.	0.	0.	0.	0.	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/01/88-06/15/88	4	7.35	7.35	8.	6.7	0.417	0.645	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	09/26/74-06/13/79	27	7.6	6.996	9.9	0.	7.285	2.699	0.64	6.2	8.8	9.3
00310 BOD, 5 DAY, 20 DEG C MG/L	05/29/75-06/13/79	27	2.	4.593	64.	1.	143.712	11.988	1.	1.	3.	6.2
00400 PH (STANDARD UNITS)	09/26/74-06/01/88	27	7.4	7.404	8.5	7.	0.145	0.381	7.	7.1	7.5	8.14
00400 CONVERTED PH (STANDARD UNITS)	09/26/74-06/01/88	27	7.4	7.291	8.5	7.	0.158	0.398	7.	7.1	7.5	8.14
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/26/74-06/01/88	27	0.04	0.051	0.1	0.003	0.001	0.03	0.007	0.032	0.079	0.1
00403 PH, LAB, STANDARD UNITS SU	05/29/75-05/29/75	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	05/29/75-05/29/75	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/29/75-05/29/75	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	05/29/75-05/29/75	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00480 SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	06/19/75-07/28/75	3	149.	181.	301.	93.	11584.	107.629	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/19/75-07/28/75	3	72.	80.	149.	19.	4273.	65.368	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	06/19/75-07/28/75	3	77.	101.	152.	74.	1953.	44.193	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/15/88	27	10.	19.481	88.	1.	542.932	23.301	2.4	6.	20.	72.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/19/75-06/15/88	26	4.	5.423	14.	0.	14.474	3.804	1.7	2.5	8.25	12.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	06/19/75-06/15/88	27	7.	14.259	76.	0.	441.699	21.017	0.4	2.	13.	62.
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	05/03/88-06/15/88	3	0.1	0.15	0.28	0.07	0.013	0.114	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/26/74-06/13/79	26	0.1	0.225	0.9	0.05	0.056	0.238	0.05	0.05	0.3	0.73
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-06/15/88	3	0.03	0.03	0.04	0.02	0.	0.01	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	09/26/74-06/13/79	27##	0.005	0.018	0.14	0.005	0.001	0.028	0.005	0.005	0.02	0.052
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	05/03/88-06/15/88	3##	0.02	0.16	0.44	0.02	0.059	0.242	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/26/74-09/23/76	12	0.39	0.431	0.79	0.005	0.042	0.205	0.088	0.325	0.56	0.763
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/26/74-06/15/88	29	0.5	0.481	1.399	0.05	0.091	0.301	0.1	0.3	0.55	1.
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/12/76-06/13/79	15	0.6	0.515	1.7	0.09	0.192	0.438	0.096	0.13	0.7	1.22
00665 PHOSPHORUS, TOTAL (MG/L AS P)	05/03/88-06/15/88	3	0.04	0.037	0.04	0.03	0.	0.006	**	**	**	**
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	05/03/88-06/15/88	3	0.02	0.017	0.02	0.01	0.	0.006	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/03/88-06/15/88	3	0.02	0.02	0.02	0.02	0.02	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/75-06/15/88	29	6.	8.369	67.	1.8	133.661	11.561	2.9	4.5	8.	10.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/08/79-05/08/79	1	19.	19.	19.	0.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	05/29/75-05/29/75	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/29/75-05/08/79	6	9.5	23.667	77.	6.	800.267	28.289	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/03/88-06/15/88	3	6.1	6.767	11.5	2.7	19.693	4.438	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/06/75-05/02/77	2 ##	1.25	1.25	1.5	1.	0.125	0.354	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-06/29/77	1 ##	9.445	9.445	9.445	9.445	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/29/75-05/02/77	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	1 ##	0.475	0.475	0.475	0.475	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	1	32.19	32.19	32.19	32.19	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/29/75-05/02/77	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/29/75-05/02/77	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-06/29/77	1	19.89	19.89	19.89	19.89	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/29/75-05/02/77	3	9.	7.667	13.	1.	37.333	6.11	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-06/29/77	1 ##	0.475	0.475	0.475	0.475	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/29/75-05/02/77	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/29/77	1	37.79	37.79	37.79	37.79	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/29/75-05/02/77	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-06/29/77	1	37.79	37.79	37.79	37.79	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/11/77-07/11/77	1	930.	930.	930.	930.	0.	0.	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150)	07/11/77-07/11/77	1	2.968	2.968	2.968	2.968	0.	0.	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506			930.									
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/26/74-06/13/79	27	100.	390.37	3000.	40.	447388.319	668.871	50.	50.	400.	1360.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	09/26/74-06/13/79	27	2.	2.179	3.477	1.602	0.317	0.563	1.699	1.699	2.602	3.132
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			150.951									
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	10/06/75-08/15/78	7	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/26/74-06/13/79	27 ##	0.05	0.083	0.2	0.05	0.003	0.054	0.05	0.05	0.1	0.2
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/26/74-06/13/79	27	0.05	0.055	0.2	0.01	0.002	0.041	0.01	0.02	0.07	0.11
71900	MERCURY, TOTAL (UG/L AS HG)	05/29/75-05/02/77	3 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-06/29/77	1	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0018

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	4	0	0.00						4	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	27	3	0.11	17	1	0.06			10	2	0.20			
00400	PH	Fresh Chronic	9.	27	0	0.00	16	0	0.00			11	0	0.00			
00403	PH, LAB	Other-Lo Lim.	6.5	27	0	0.00	16	0	0.00			11	0	0.00			
		Fresh Chronic	9.	1	0	0.00						1	0	0.00			
		Other-Lo Lim.	6.5	1	0	0.00						1	0	0.00			
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	3	0	0.00						3	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	27	0	0.00	18	0	0.00			9	0	0.00			
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	3	0	0.00						3	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	12	0	0.00	9	0	0.00			3	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	9	0	0.00			6	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00						1	0	0.00			
		Drinking Water	250.	1	0	0.00						1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	2	0	0.00			4	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00			1	0	0.00			
		Drinking Water	50.	2	0	0.00	1	0	0.00			1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00											
		Drinking Water	5.	0 &	0	0.00											
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00			2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00						2	0	0.00			
		Drinking Water	1300.	2	0	0.00						2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	82.	3	0	0.00	1	0	0.00			2	0	0.00			
		Drinking Water	15.	3	0	0.00	1	0	0.00			2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0018

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	100.	3	0	0.00	1	0	0.00				2	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	5000.	3	0	0.00	1	0	0.00				2	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	27	10	0.37	17	7	0.41				10	3	0.30			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	7	0	0.00	5	0	0.00				2	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	1	0	0.00				2	0	0.00			
		Drinking Water	2.	3	0	0.00	1	0	0.00				2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/26/74-06/15/88	17	25.6	20.994	31.7	2.2	103.118	10.155	2.68	14.7	28.3	31.14
00400	PH (STANDARD UNITS)	09/26/74-06/01/88	16	7.35	7.35	8.5	7.	0.129	0.36	7.	7.05	7.475	7.8
00400	CONVERTED PH (STANDARD UNITS)	09/26/74-06/01/88	16	7.347	7.258	8.5	7.	0.138	0.372	7.	7.05	7.475	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/26/74-06/01/88	16	0.045	0.055	0.1	0.003	0.001	0.03	0.023	0.034	0.091	0.1
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/15/88	15	14.	21.933	88.	1.	619.067	24.881	2.8	7.	28.	77.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/19/75-06/15/88	14	5.	5.786	12.	1.	14.489	3.806	1.5	2.75	9.25	12.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/19/75-06/15/88	15	8.	16.167	76.	0.	502.702	22.421	0.3	2.	22.	66.4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/26/74-06/15/88	17	0.5	0.541	1.399	0.1	0.124	0.352	0.1	0.3	0.8	1.08
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/75-06/15/88	17	7.	10.353	67.	3.	218.368	14.777	3.8	5.	8.	23.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0018

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/26/74-06/15/88	16	23.65	22.456	30.	16.	18.944	4.352	16.35	17.875	24.075	29.23
00400	PH (STANDARD UNITS)	09/26/74-06/01/88	11	7.4	7.482	8.3	7.	0.172	0.414	7.02	7.1	7.7	8.26
00400	CONVERTED PH (STANDARD UNITS)	09/26/74-06/01/88	11	7.4	7.344	8.3	7.	0.192	0.439	7.02	7.1	7.7	8.26
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/26/74-06/01/88	11	0.04	0.045	0.1	0.005	0.001	0.031	0.006	0.02	0.079	0.096
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/19/75-06/15/88	12	8.5	16.417	80.	2.	476.947	21.839	2.15	3.125	18.75	65.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/19/75-06/15/88	12	4.	5.	14.	0.	15.409	3.925	0.6	2.5	7.5	12.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/19/75-06/15/88	12	5.	11.875	70.	0.	393.051	19.826	0.15	1.375	10.5	57.4
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/26/74-06/15/88	12	0.45	0.396	0.7	0.05	0.037	0.194	0.065	0.3	0.5	0.67
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/75-06/15/88	12	6.	5.558	10.	1.8	7.901	2.811	1.86	2.925	8.	9.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0019

NPS Station ID: FRSP0019
 Location: ROUTE 607 (FREDERICKSBURG CITY)
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: UNNAMED TRIB. TO CLAIBORNE RUN

LAT/LON: 38.302503/ -77.444726

Agency: 21VASWCB
 FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY)
 STORET Station ID(s): 3-XCJ000.04
 Within Park Boundary: No

Date Created: 05/01/93

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.000

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
 SECTION: 04 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/17/90-02/26/91	2	9.95	9.95	12.8	7.1	16.245	4.031	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	02/26/91-02/26/91	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	02/26/91-02/26/91	1	9.	9.	9.	9.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/17/90-02/26/91	2	335.	335.	342.	328.	98.	9.899	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/17/90-02/26/91	2	10.7	10.7	10.7	10.7	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	04/17/90-02/26/91	2	4.5	4.5	6.	3.	4.5	2.121	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	04/17/90-02/26/91	2	21.	21.	22.	20.	2.	1.414	**	**	**	**
00400	PH (STANDARD UNITS)	02/26/91-02/26/91	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	02/26/91-02/26/91	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/26/91-02/26/91	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	04/17/90-02/26/91	2	7.35	7.35	7.4	7.3	0.005	0.071	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	04/17/90-02/26/91	2	7.347	7.347	7.4	7.3	0.005	0.071	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/17/90-02/26/91	2	0.045	0.045	0.05	0.04	0.	0.007	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	04/17/90-02/26/91	2	101.	101.	104.	98.	18.	4.243	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	02/26/91-02/26/91	1	212.	212.	212.	212.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	02/26/91-02/26/91	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	02/26/91-02/26/91	1	164.	164.	164.	164.	0.	0.	**	**	**	**
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	04/17/90-02/26/91	2	194.	194.	196.	192.	8.	2.828	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	04/17/90-02/26/91	2	12.5	12.5	14.	11.	4.5	2.121	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	04/17/90-02/26/91	2	6.	6.	7.	5.	2.	1.414	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	04/17/90-02/26/91	2	6.5	6.5	9.	4.	12.5	3.536	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/17/90-02/26/91	2	3.75	3.75	3.75	3.75	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/17/90-02/26/91	2	0.045	0.045	0.06	0.03	0.	0.021	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/17/90-02/26/91	2	1.665	1.665	1.76	1.57	0.018	0.134	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/17/90-02/26/91	2	4.25	4.25	4.5	4.	0.125	0.354	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	04/17/90-02/26/91	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	04/17/90-02/26/91	2	0.12	0.12	0.12	0.12	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/17/90-02/26/91	2	6.55	6.55	7.	6.1	0.405	0.636	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/17/90-02/26/91	2	56.	56.	106.	6.	5000.	70.711	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	02/26/91-02/26/91	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	02/26/91-02/26/91	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	02/26/91-02/26/91	1	0.14	0.14	0.14	0.14	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	04/17/90-02/26/91	2	19.35	19.35	21.7	17.	11.045	3.323	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0019

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
001002	ARSENIC, TOTAL (UG/L AS AS)	02/26/91-02/26/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	04/17/90-02/26/91	2 ##	1.75	1.75	3.	0.5	3.125	1.768	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	04/17/90-02/26/91	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	04/17/90-02/26/91	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	04/17/90-02/26/91	2 ##	2.	2.	2.5	1.5	0.5	0.707	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/17/90-02/26/91	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/17/90-02/26/91	2	13.	13.	15.	11.	8.	2.828	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/17/90-02/26/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	04/17/90-02/26/91	2 ##	47.5	47.5	90.	5.	3612.5	60.104	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	04/17/90-02/26/91	2	9.	9.	15.	3.	72.	8.485	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	04/17/90-02/26/91	2	5160.	5160.	5660.	4660.	500000.	707.107	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	04/17/90-02/26/91	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	04/17/90-02/26/91	2	12.5	12.5	15.	10.	12.5	3.536	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	04/17/90-02/26/91	2	62.5	62.5	65.	60.	12.5	3.536	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/17/90-02/26/91	2	965.	965.	970.	960.	50.	7.071	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	04/17/90-02/26/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	04/17/90-02/26/91	2 ##	3.75	3.75	5.	5.	3.125	1.768	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/17/90-02/26/91	2	3.5	3.5	5.	2.	4.5	2.121	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/17/90-02/26/91	2 ##	6.25	6.25	10.	2.5	28.125	5.303	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	04/17/90-02/26/91	2 ##	9.25	9.25	17.	1.5	120.125	10.96	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	04/17/90-02/26/91	2 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	04/17/90-02/26/91	2	6.5	6.5	7.	6.	0.5	0.707	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	02/26/91-02/26/91	1	5400.	5400.	5400.	5400.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	02/26/91-02/26/91	1	3.732	3.732	3.732	3.732	0.	0.	**	**	**	**
34480	THALLIUM DRY WGBTOTMG/KG	04/17/90-02/26/91	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	04/17/90-02/26/91	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/17/90-02/26/91	2 ##	0.15	0.15	0.25	0.05	0.02	0.141	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: FRSP0019

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00			1	0	0.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00			1	0	0.00	1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00			1	0	0.00						
00403	PH, LAB	Other-Lo Lim.	6.5	1	0	0.00			1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00			1	0	0.00	1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00			1	0	0.00	1	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00			1	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00			1	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00			1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00			1	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	50.	1	0	0.00			1	0	0.00						
01027	CADMIUM, TOTAL	Drinking Water	130.	2	0	0.00			1	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	4.	2	0	0.00			1	0	0.00	1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	3.9	2	0	0.00			1	0	0.00	1	0	0.00			
01051	LEAD, TOTAL	Drinking Water	5.	2	0	0.00			1	0	0.00	1	0	0.00			
01059	THALLIUM, TOTAL	Drinking Water	100.	2	0	0.00			1	0	0.00	1	0	0.00			
		Fresh Acute	18.	2	1	0.50			1	1	1.00	1	0	0.00			
		Drinking Water	1300.	2	0	0.00			1	0	0.00	1	0	0.00			
		Fresh Acute	82.	2	0	0.00			1	0	0.00	1	0	0.00			
		Drinking Water	15.	2	0	0.00			1	0	0.00	1	0	0.00			
		Fresh Acute	1400.	2	0	0.00			1	0	0.00	1	0	0.00			
		Drinking Water	2.	0 &	0	0.00											

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0019

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01067 NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00				1	0	0.00	1	0	0.00			
	Drinking Water	100.	2	0	0.00				1	0	0.00	1	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	2	0	0.00				1	0	0.00	1	0	0.00			
	Drinking Water	5000.	2	0	0.00				1	0	0.00	1	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00				1	0	0.00	1	0	0.00			
	Drinking Water	50.	2	0	0.00				1	0	0.00	1	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00				1	1	1.00						
	Fresh Acute	2.4	2	0	0.00				1	0	0.00	1	0	0.00			
71900 MERCURY, TOTAL	Drinking Water	2.	2	0	0.00				1	0	0.00	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0020

NPS Station ID: FRSP0020
 Location: RT. 606 BRIDGE
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080105
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 8-YORK
 RF1 Index: 02080105013
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: PONI RIVER
 SECTION: 03

LAT/LON: 38.137782/ -77.446115

Agency: 21VASWCB
 FIPS State/County: 51033 VIRGINIA/CAROLINE
 STORET Station ID(s): 8-PNI002.43 /VA8-03-X0060/VA8-3X0060
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 1.890
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

AMBIENT MONITORING BASIN: 8 YORK
 TOPO MAP #: 0029 TOPO MAP NAME: GUINEA, VA

REGION: 3 NORTHERN

Parameter Inventory for Station: FRSP0020

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/75-03/27/91	46	13.5	13.626	27.	0.2	64.506	8.032	1.19	7.65	21.325	23.36
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/27/90-03/27/91	2	9.45	9.45	10.9	8.	4.205	2.051	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	03/27/91-03/27/91	1	82.	82.	82.	0.	0.	**	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/27/90-03/27/91	2	57.	57.	57.	0.	0.	**	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	02/25/75-03/27/91	46	8.4	8.854	14.	6.1	4.194	2.048	6.64	7.4	9.8	12.21
00310	BOD, 5 DAY, 20 DEG C MG/L	01/08/79-03/27/91	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	12/27/90-03/27/91	2	14.5	14.5	17.	12.	12.5	3.536	**	**	**	**
00400	PH (STANDARD UNITS)	02/25/75-03/27/91	46	6.9	6.922	7.7	6.3	0.129	0.359	6.5	6.6	7.225	7.43
00400	CONVERTED PH (STANDARD UNITS)	02/25/75-03/27/91	46	6.9	6.796	7.7	6.3	0.145	0.381	6.5	6.6	7.225	7.43
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/25/75-03/27/91	46	0.126	0.16	0.501	0.02	0.013	0.114	0.037	0.06	0.251	0.316
00403	PH, LAB, STANDARD UNITS SU	12/27/90-03/27/91	2	6.45	6.45	6.7	6.2	0.125	0.354	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/27/90-03/27/91	2	6.382	6.382	6.7	6.2	0.134	0.367	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/27/90-03/27/91	2	0.415	0.415	0.631	0.2	0.093	0.305	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/27/90-03/27/91	2	11.	11.	12.	10.	2.	1.414	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/19/76-03/27/91	3	61.	86.333	141.	57.	2245.333	47.385	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/19/76-03/27/91	3	29.	63.	136.	24.	4003.	63.269	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	08/19/76-03/27/91	3	32.	23.333	33.	5.	252.333	15.885	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/27/90-03/27/91	2	5.	5.	5.	0.	0.	**	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/27/90-03/27/91	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/27/90-03/27/91	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/06/75-03/27/91	44 ##	0.05	0.05	0.1	0.02	0.	0.009	0.05	0.05	0.05	0.05
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/06/75-03/27/91	44 ##	0.005	0.007	0.03	0.005	0.	0.005	0.005	0.005	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/06/75-03/27/91	18	0.095	0.088	0.17	0.025	0.002	0.043	0.025	0.048	0.113	0.152
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/06/75-03/27/91	44	0.3	0.335	0.8	0.05	0.021	0.145	0.2	0.2	0.4	0.5
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/26/76-06/27/79	26 ##	0.06	0.065	0.16	0.025	0.002	0.044	0.025	0.025	0.095	0.136
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/27/90-03/27/91	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/27/90-03/27/91	2	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/27/90-03/27/91	2	5.45	5.45	6.	4.9	0.605	0.778	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-03/27/91	3	13.	15.	20.	12.	19.	4.359	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/16/79-04/16/79	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	12/27/90-03/27/91	2	4.	4.	4.	4.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/27/90-03/27/91	2	7.5	7.5	8.	7.	0.5	0.707	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	12/27/90-03/27/91	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**

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Parameter Inventory for Station: FRSP0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/27/90-03/27/91	2	12.1	12.1	12.7	11.5	0.72	0.849	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/21/75-04/16/79	6 ##	1.	1.083	1.5	1.	0.042	0.204	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/06/75-04/16/79	7 ##	5.	5.286	7.	5.	0.571	0.756	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/75-04/16/79	7 ##	5.	7.143	20.	5.	32.143	5.669	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/06/75-04/16/79	7 ##	5.	5.714	10.	5.	3.571	1.89	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/06/78-04/16/79	2	900.	900.	900.	900.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/06/75-04/16/79	7	4.	5.643	11.	1.5	13.893	3.727	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/06/78-04/16/79	2	225.	225.	380.	70.	48050.	219.203	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/06/75-04/16/79	7 ##	50.	45.714	50.	20.	128.571	11.339	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/06/75-04/16/79	7	10.	10.714	20.	5.	45.238	6.726	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	02/25/75-06/27/79	41 ##	50.	237.805	4200.	50.	464597.561	681.614	50.	50.	100.	300.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	02/25/75-06/27/79	41 ##	1.699	1.935	3.623	1.699	0.207	0.455	1.699	1.699	2.	2.477
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	86.067								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/09/75-08/09/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	04/06/75-06/27/79	41 ##	0.05	0.055	0.1	0.05	0.	0.015	0.05	0.05	0.05	0.09
70507	PHOSPHORUS, IN TOTAL, ORTHOPHOSPHATE (MG/L AS P)	04/06/75-06/27/79	42 ##	0.01	0.017	0.06	0.005	0.	0.016	0.005	0.005	0.02	0.05
71900	MERCURY, TOTAL (UG/L AS HG)	05/06/75-04/16/79	7 ##	0.25	0.614	3.	0.15	1.109	1.053	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0020

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	2	0	0.00			2	0	0.00						
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	46	0	0.00	9	0	0.00	21	0	0.00	16	0	0.00		
00400	PH	Fresh Chronic	9.	46	0	0.00	9	0	0.00	21	0	0.00	16	0	0.00		
00403	PH, LAB	Other-Lo Lim.	6.5	46	7	0.15	9	1	0.11	21	5	0.24	16	1	0.06		
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	44	0	0.00	9	0	0.00	20	0	0.00	15	0	0.00		
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	18	0	0.00	5	0	0.00	7	0	0.00	6	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	26	0	0.00	4	0	0.00	13	0	0.00	9	0	0.00		
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	2	0	0.00			2	0	0.00						
		Drinking Water	250.	2	0	0.00			2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00			2	0	0.00						
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	2	0	0.00			2	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00			3	0	0.00	3	0	0.00			
01027	CADMİUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00			3	0	0.00	3	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00			3	0	0.00	4	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	7	0	0.00			3	0	0.00	4	0	0.00			
01051	LEAD, TOTAL	Drinking Water	1300.	7	0	0.00			3	0	0.00	4	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	82.	7	0	0.00			3	0	0.00	4	0	0.00			
01092	ZINC, TOTAL	Drinking Water	15.	7	0	0.00			3	0	0.00	4	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Fresh Acute	1400.	7	0	0.00			3	0	0.00	4	0	0.00			
		Drinking Water	100.	7	0	0.00			3	0	0.00	4	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00	1	0	0.00								
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	1	0.14			3	1	0.33	4	0	0.00			
		Drinking Water	2.	7	1	0.14			3	1	0.33	4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/75-03/27/91	9	22.8	20.622	26.5	2.8	47.974	6.926	2.8	20.55	23.7	26.5
00300	OXYGEN, DISSOLVED MG/L	02/25/75-03/27/91	9	7.	7.267	9.	6.1	0.978	0.989	6.1	6.4	8.05	9.
00400	PH (STANDARD UNITS)	02/25/75-03/27/91	9	7.3	7.122	7.7	6.5	0.174	0.418	6.5	6.65	7.4	7.7
00400	CONVERTED PH (STANDARD UNITS)	02/25/75-03/27/91	9	7.3	6.941	7.7	6.5	0.211	0.46	6.5	6.65	7.4	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/25/75-03/27/91	9	0.05	0.114	0.316	0.02	0.012	0.11	0.02	0.04	0.225	0.316
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/06/75-03/27/91	9 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/06/75-03/27/91	9 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/06/75-03/27/91	9	0.3	0.378	0.6	0.2	0.017	0.13	0.2	0.3	0.5	0.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/75-03/27/91	21	8.3	7.414	15.	0.2	28.197	5.31	0.52	1.8	12.1	14.5
00300	OXYGEN, DISSOLVED MG/L	02/25/75-03/27/91	21	9.6	10.067	14.	6.9	4.959	2.227	7.	8.3	11.9	13.64
00400	PH (STANDARD UNITS)	02/25/75-03/27/91	21	6.7	6.777	7.7	6.3	0.105	0.324	6.404	6.55	7.	7.24
00400	CONVERTED PH (STANDARD UNITS)	02/25/75-03/27/91	21	6.7	6.685	7.7	6.3	0.114	0.338	6.404	6.55	7.	7.24
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/25/75-03/27/91	21	0.2	0.206	0.501	0.02	0.015	0.123	0.06	0.1	0.284	0.395
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/06/75-03/27/91	20 ##	0.05	0.048	0.05	0.02	0.	0.007	0.041	0.05	0.05	0.05
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/06/75-03/27/91	20 ##	0.005	0.007	0.03	0.005	0.	0.006	0.005	0.005	0.005	0.01
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/06/75-03/27/91	20	0.3	0.298	0.5	0.05	0.015	0.122	0.2	0.2	0.4	0.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0020

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/25/75-03/27/91	16	18.9	17.844	27.	7.2	27.971	5.289	10.21	13.25	22.375	24.41
00300	OXYGEN, DISSOLVED MG/L	02/25/75-03/27/91	16	8.2	8.156	11.	6.5	1.357	1.165	6.71	7.4	8.675	10.16
00400	PH (STANDARD UNITS)	02/25/75-03/27/91	16	6.95	7.	7.5	6.5	0.093	0.306	6.57	6.725	7.275	7.5
00400	CONVERTED PH (STANDARD UNITS)	02/25/75-03/27/91	16	6.947	6.906	7.5	6.5	0.103	0.321	6.57	6.725	7.275	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/25/75-03/27/91	16	0.113	0.124	0.316	0.032	0.007	0.082	0.032	0.053	0.189	0.271
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/06/75-03/27/91	15 ##	0.05	0.053	0.1	0.05	0.	0.013	0.05	0.05	0.05	0.07
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/06/75-03/27/91	15 ##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.02
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/06/75-03/27/91	15	0.3	0.36	0.8	0.1	0.031	0.176	0.16	0.2	0.4	0.68

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0021

NPS Station ID: FRSP0021
 Location: ROUTE 218 (STAFFORD COUNTY)
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
 RIVER: CLAIBORNE RUN SECTION: 04 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

LAT/LON: 38.311670/ -77.447781

Agency: 21VASWCB
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): 3-CLB001.35
 Within Park Boundary: No

Date Created: 05/01/93

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0021

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	12/16/74-07/27/78	7	6.7	8.143	12.2	6.2	6.196	2.489	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	12/16/74-07/27/78	7	3.	2.714	5.	1.	2.905	1.704	**	**	**
00340	COD, 25N K2CR207 MG/L	12/16/74-07/27/78	7	24.	26.286	52.	12.	175.238	13.238	**	**	**
00400	PH (STANDARD UNITS)	12/16/74-07/27/78	7	6.7	6.714	7.3	6.5	0.075	0.273	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/16/74-07/27/78	7	6.7	6.66	7.3	6.5	0.078	0.28	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/16/74-07/27/78	7	0.2	0.219	0.316	0.05	0.008	0.091	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/16/74-09/21/76	3	6.3	6.1	6.5	5.5	0.28	0.529	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/16/74-09/21/76	3	6.3	5.877	6.5	5.5	0.354	0.595	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/16/74-09/21/76	3	0.501	1.327	3.162	0.316	2.536	1.592	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/16/74-09/21/76	3	8.	10.333	19.	4.	60.333	7.767	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/16/74-07/27/78	7	94.	143.143	447.	67.	18321.81	135.358	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/16/74-07/27/78	7	30.	43.429	90.	8.	1029.952	32.093	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	12/16/74-07/27/78	7	59.	99.714	357.	10.	13376.238	115.656	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/16/74-07/27/78	7	6.	41.857	262.	2.	9428.81	97.102	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/16/74-07/27/78	7	4.	6.429	24.	2.	61.619	7.85	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/16/74-07/27/78	7	3.	35.429	238.	0.	7980.952	89.336	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/16/74-07/27/78	7	0.5	0.514	1.2	0.1	0.118	0.344	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/16/74-07/27/78	7	0.04	0.044	0.15	0.005	0.002	0.05	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/16/74-07/27/78	7	0.8	0.757	0.95	0.55	0.029	0.169	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/16/74-07/27/78	7	0.9	1.086	1.7	0.7	0.188	0.434	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/16/74-07/27/78	7	0.3	0.3	0.6	0.1	0.027	0.163	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/16/74-07/27/78	7	0.33	0.296	0.51	0.05	0.02	0.143	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	04/10/75-07/27/78	6	7.5	7.333	8.	6.	0.667	0.816	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	12/16/74-04/10/75	2	6.5	6.5	8.	5.	4.5	2.121	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	12/16/74-07/27/78	5	300.	600.	2200.	50.	823750.	907.607	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	12/16/74-07/27/78	5	2.477	2.364	3.342	1.699	0.478	0.691	**	**	**
	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	231.158							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0021

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
00400	PH	Fresh Chronic	9.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
00403	PH, LAB	Other-Lo Lim.	6.5	7	2	0.29	5	2	0.40	1	0	0.00	1	0	0.00
		Fresh Chronic	9.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
		Other-Lo Lim.	6.5	3	3	1.00	1	1	1.00	1	1	1.00	1	1	1.00
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	2	0	0.00				1	0	0.00	1	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Drinking Water	250.	2	0	0.00				1	0	0.00	1	0	0.00
		Other-Hi Lim.	200.	5	3	0.60	4	2	0.50	1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0022

NPS Station ID: FRSP0022
 Location: RT. 3 BRIDGE
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes: 0215002 002980
 RMI-Miles: 0109.04 0000.50
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104042
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VIRGINIA
 RIVER: CLAIBORNE RUN SECTION: 04 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

LAT/LON: 38.302781/ -77.448059

Agency: 21VASWCB
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): 3-CLB000.50 /VA3-04-X0002/VA3-3X0002
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 4.880
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	260	15.	14.364	26.7	0.4	48.419	6.958	5.01	7.8	20.375	23.59
00070 TURBIDITY, (JACKSON CANDLE UNITS)	04/25/71-03/17/92	29	8.	14.217	70.	3.5	260.209	16.131	4.4	5.05	16.	34.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/15/94-11/23/98	19	7.	9.2	40.6	2.1	67.181	8.196	3.9	5.	10.9	14.
00080 COLOR (PLATINUM-COBALT UNITS)	02/13/91-02/17/93	8	60.5	61.875	125.	27.	1084.125	32.926	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	137	244.	247.328	487.	4.	10220.09	101.094	126.	161.5	328.	392.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/79-11/23/98	41	147.	183.39	461.	102.	7643.894	87.429	114.2	133.5	209.5	328.6
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/30/92-11/23/98	29	10.5	10.366	13.4	7.4	3.067	1.751	7.9	8.8	11.65	13.2
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	234	9.15	9.37	13.2	4.6	3.262	1.806	7.2	7.975	11.	11.85
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	205	4.	5.871	33.	0.5	29.924	5.47	1.	2.	8.	13.
00340p COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	151	19.	21.957	153.	0.	388.573	19.712	7.2	13.	24.	34.
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	258	7.	6.998	8.7	3.	0.244	0.494	6.5	6.7	7.3	7.5
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	258	7.	5.376	8.7	3.	2.886	1.699	6.5	6.7	7.3	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	258	0.1	4.21	1000.	0.002	3883.075	62.314	0.032	0.05	0.2	0.316
00403 PH, LAB, STANDARD UNITS SU	10/08/68-11/23/98	86	7.	6.988	8.	6.	0.158	0.397	6.4	6.7	7.3	7.43
00403 CONVERTED PH, LAB, STANDARD UNITS	10/08/68-11/23/98	86	7.	6.813	8.	6.	0.189	0.435	6.4	6.7	7.3	7.43
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/68-11/23/98	86	0.1	0.154	1.	0.01	0.024	0.156	0.037	0.05	0.2	0.398
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	10/08/68-11/23/98	85	31.	41.153	136.	7.	762.25	27.609	14.6	18.5	59.5	80.8
00500 RESIDUE, TOTAL (MG/L)	10/08/68-11/23/98	72	132.5	180.861	1447.	51.	33544.262	183.151	90.	106.5	191.75	236.2
00505 RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/23/98	72	34.	44.	153.	6.	948.535	30.798	18.6	26.25	48.75	102.1
00510 RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/23/98	72	96.5	142.069	1294.	17.	28119.164	167.688	60.6	73.25	147.5	220.7
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	204	8.	22.919	900.	0.5	5640.527	75.103	2.5	5.	15.	32.5
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	205	5.	7.144	100.	0.	94.201	9.706	1.5	2.5	8.	15.
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	202	3.	18.032	1160.	0.	8023.664	89.575	0.5	2.	8.	18.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	248	1.5	2.248	11.	0.02	4.88	2.209	0.24	0.553	3.3	5.
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	248	0.03	0.12	5.5	0.005	0.155	0.394	0.005	0.01	0.118	0.292
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	217	0.76	1.289	23.29	0.005	3.911	1.978	0.338	0.54	1.3	2.661
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	243	2.299	3.244	25.	0.1	10.46	3.234	0.6	1.1	4.199	7.46
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/27/76-08/23/79	29	0.9	1.35	7.	0.23	2.719	1.649	0.47	0.6	1.15	3.
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	142	1.3	1.733	7.5	0.05	2.583	1.607	0.05	0.438	2.725	4.17
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	111	1.3	1.986	6.75	0.03	2.386	1.545	0.42	0.8	3.	4.36
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	179	8.9	9.611	68.	1.7	51.226	7.157	3.8	6.	11.	15.
00900 HARDNESS, TOTAL (MG/L AS CACO3)	07/22/87-11/23/98	66	44.	45.758	85.	20.	155.11	12.454	31.7	36.	54.	62.
00935 POTASSIUM, DISSOLVED (MG/L AS K)	04/10/79-04/10/79	1	4.2	4.2	4.2	4.2	4.2	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940 CHLORIDE,TOTAL IN WATER MG/L	10/22/74-11/23/98	51	16.	47.059	1300.	6.	32307.576	179.743	10.2	14.	27.	39.4
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	131	18.	19.725	53.	1.	94.109	9.701	11.	14.	23.	34.
00951 FLUORIDE, TOTAL (MG/L AS F)	11/14/88-02/17/93	25	0.52	0.515	1.1	0.015	0.122	0.35	0.05	0.165	0.87	1.018
00955 SILICA, DISSOLVED (MG/L AS SI02)	05/11/89-02/17/93	22	18.05	19.132	38.6	13.3	27.219	5.217	14.05	16.95	20.6	23.65
01002 ARSENIC, TOTAL (UG/L AS AS)	03/18/71-09/15/94	23 ##	1.5	2.022	5.	0.5	2.556	1.599	0.5	0.5	2.5	5.
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/16/80-06/25/97	8	2.	4.981	24.	0.85	60.755	7.795	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)	07/18/83-02/17/93	4 ##	3.75	3.25	5.	1.	4.75	2.179	**	**	**	**
01013 BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/16/83-06/25/97	4 ##	1.125	1.313	2.	1.	0.217	0.466	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/25/70-09/15/94	27 ##	5.	4.074	10.	0.5	5.302	2.303	0.5	1.5	5.	5.4
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-06/25/97	8 ##	0.175	0.431	2.2	0.085	0.521	0.722	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-06/25/97	8	11.45	13.305	21.1	7.7	27.57	5.251	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-09/15/94	34 ##	5.	7.294	25.	0.5	39.941	6.32	0.5	5.	10.	20.
01042 COPPER, TOTAL (UG/L AS CU)	04/13/70-09/15/94	34 ##	5.	11.912	50.	5.	134.871	11.613	5.	5.	20.	30.
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/16/80-06/25/97	8	29.5	55.201	179.	9.41	3896.829	62.425	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	11/25/70-09/15/94	12	1445.5	1885.75	4900.	500.	1921693.295	1386.252	530.	1212.5	1949.75	4777.
01051 LEAD, TOTAL (UG/L AS PB)	11/25/70-09/15/94	32 ##	5.	5.844	22.	0.5	21.394	4.625	1.5	4.	5.	10.
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/16/80-06/25/97	8	21.3	35.85	83.5	9.8	854.843	29.238	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	04/13/70-09/15/94	12	204.9	181.667	300.	50.	5295.679	72.771	62.	110.	229.75	281.97
01059 THALLIUM, TOTAL (UG/L AS TL)	07/18/83-02/17/93	4 ##	5.	5.75	10.	3.	8.917	2.986	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-04/10/79	9 ##	50.	40.556	50.	5.	352.778	18.782	5.	30.	50.	50.
01067 NICKEL, TOTAL (UG/L AS NI)	10/29/79-09/15/94	12 ##	10.	23.75	110.	5.	936.932	30.609	5.	5.	28.75	92.
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-06/25/97	8	3.63	5.283	10.	2.	11.76	3.429	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	09/20/88-09/20/88	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	04/13/70-09/15/94	34	24.5	29.412	90.	5.	500.916	22.381	5.	8.75	40.	65.
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/16/80-06/25/97	8	71.35	119.738	308.9	52.5	10622.474	103.065	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	07/18/83-09/15/94	6 ##	7.5	6.333	10.	0.5	18.167	4.262	**	**	**	**
01148 SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/16/83-06/25/97	5	2.	3.87	8.	1.	12.127	3.482	**	**	**	**
31505 COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/06/68-07/25/77	20	11000.	18868.	93000.	430.	546101911.579	23368.823	750.	2300.	38250.	43000.
31505 LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/06/68-07/25/77	20	4.041	3.892	4.968	2.633	0.469	0.685	2.875	3.362	4.57	4.633
31616p GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	GEOMETRIC MEAN =		7797.323									
31616p FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	217	100.	1120.742	15000.	0.	5603416.822	2367.154	50.	50.	700.	3940.
31616p LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	217	2.	2.328	4.176	0.	0.574	0.758	1.699	1.699	2.845	3.595
31616p GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		212.683									
32240 TANNIN AND LIGNIN (MG/L)	05/14/92-02/17/93	3	0.6	0.633	0.7	0.6	0.003	0.058	**	**	**	**
34259 DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/10/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34351 ENDOSULFAN SULFATE TOTWUG/L	07/10/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34356 ENDOSULFAN, BETA TOTWUG/L	07/10/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	07/10/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34366 ENDRIN ALDEHYDE TOTWUG/L	07/10/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34480 THALLIUM DRY WGTBOTMG/KG	05/16/83-06/25/97	5 ##	1.05	1.65	4.	1.	1.733	1.316	**	**	**	**
34671 PCB - 1016 TOTWUG/L	07/10/85-08/11/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
38442 DICAMBA (BANDEL) WATER,DISSUG/L	07/10/85-07/09/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38451 DICHLORPROP WATER,SUSPUG/L	07/10/85-07/09/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38745 2,4-DB WATER, TOTUG/L	07/10/85-08/11/93	3 ##	0.1	0.117	0.15	0.1	0.001	0.029	**	**	**	**
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/27/79-08/11/93	7	0.	0.021	0.05	0.	0.001	0.027	**	**	**	**
39061 PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/24/85-06/25/97	3 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39062 CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39065 CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39068 CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39071 CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39300 P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39305 O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39310 P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39315 O,P'DDD DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39320 P,P' DDE DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39327 ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	10	0.	0.011	0.05	0.	0.	0.021	0.	0.	0.016	0.05
39333 ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/29/81-06/25/97	4	0.	0.005	0.02	0.	0.	0.01	**	**	**	**
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39338 BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39340 GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/10/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/85-06/25/97	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-06/25/97	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	7	0.	0.018	0.05	0.	0.001	0.024	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-06/25/97	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/85-06/25/97	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-08/11/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/11/93	5	0.	0.05	0.25	0.	0.013	0.112	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/24/85-06/25/97	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	09/20/82-08/21/84	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/29/81-06/06/84	4	0.	0.025	0.1	0.	0.003	0.05	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	3 ##	0.1	0.117	0.15	0.1	0.001	0.029	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	3 ##	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/10/85-08/11/93	3 ##	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	05/19/74-05/19/74	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	02/17/93-09/15/94	2	36.5	36.5	37.	36.	0.5	0.707	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/08/72-04/18/88	73	0.3	1.46	80.	0.	86.985	9.327	0.	0.1	0.5	0.96
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	101	0.5	0.901	4.3	0.05	0.847	0.92	0.05	0.3	1.35	2.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	130	0.305	0.608	3.5	0.005	0.63	0.794	0.02	0.05	0.9	1.6
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-09/15/94	32 ##	0.25	0.25	1.	1.	0.027	0.165	0.15	0.15	0.25	0.425
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/16/80-06/25/97	8	0.2	0.176	0.3	0.05	0.01	0.098	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	07/10/85-08/11/93	3 ##	0.1	0.068	0.1	0.005	0.003	0.055	**	**	**	**
82032	CALCIUM - TOTAL UG/L (AS CA)	02/17/93-02/17/93	1	9700.	9700.	9700.	9700.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-05/31/94	9	6.9	13.556	35.	4.2	152.893	12.365	4.2	6.05	23.15	35.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0022

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a			
						Obs	Prop.	Obs	Prop.	Obs	Prop.	Obs	Prop.		
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	29	2	0.07	10	0	0.00	11	2	0.18	8	0	0.00
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	19	0	0.00	6	0	0.00	9	0	0.00	4	0	0.00
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	29	0	0.00	7	0	0.00	15	0	0.00	7	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	234	0	0.00	72	0	0.00	97	0	0.00	65	0	0.00
00400	PH	Fresh Chronic	9.	258	0	0.00	80	0	0.00	108	0	0.00	70	0	0.00
		Other-Lo Lim.	6.5	258	39	0.15	80	8	0.10	108	15	0.14	70	16	0.23
00403	PH, LAB	Fresh Chronic	9.	86	0	0.00	29	0	0.00	32	0	0.00	25	0	0.00
		Other-Lo Lim.	6.5	86	12	0.14	29	3	0.10	32	7	0.22	25	2	0.08
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	248	2	0.01	74	2	0.03	110	0	0.00	64	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	217	1	0.00	67	0	0.00	94	1	0.01	56	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	29	0	0.00	6	0	0.00	15	0	0.00	8	0	0.00
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	51	1	0.02	16	0	0.00	25	1	0.04	10	0	0.00
		Drinking Water	250.	51	1	0.02	16	0	0.00	25	1	0.04	10	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	131	0	0.00	43	0	0.00	59	0	0.00	29	0	0.00
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	25	0	0.00	8	0	0.00	13	0	0.00	4	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	23	0	0.00	10	0	0.00	8	0	0.00	5	0	0.00
		Drinking Water	50.	23	0	0.00	10	0	0.00	8	0	0.00	5	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

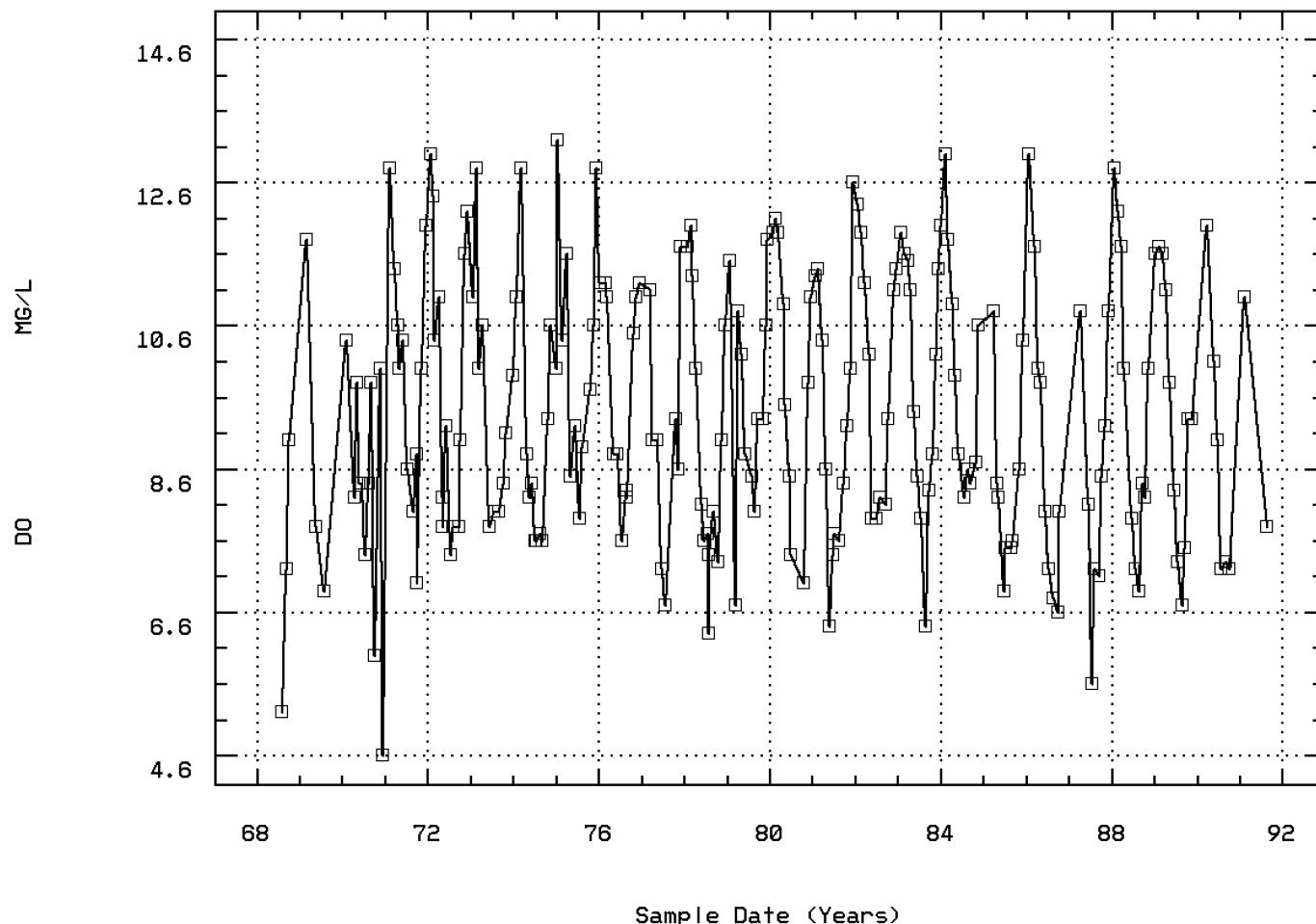
EPA Water Quality Criteria Analysis for Station: FRSP0022

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	4	0	0.00	3	0	0.00	1	0	0.00			
	Drinking Water	4.	2 &	0	0.00	2	0	0.00				1	1	1.00
01027 CADMIUM, TOTAL	Fresh Acute	3.9	9 &	1	0.11	7	0	0.00	1	0	0.00	1	1	1.00
	Drinking Water	5.	9 &	1	0.11	7	0	0.00	1	0	0.00	1	1	1.00
01034 CHROMIUM, TOTAL	Drinking Water	100.	34	0	0.00	12	0	0.00	12	0	0.00	10	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	32 &	7	0.22	11	4	0.36	11	1	0.09	10	2	0.20
	Drinking Water	1300.	34	0	0.00	12	0	0.00	12	0	0.00	10	0	0.00
01051 LEAD, TOTAL	Fresh Acute	82.	32	0	0.00	12	0	0.00	13	0	0.00	7	0	0.00
	Drinking Water	15.	32	2	0.06	12	1	0.08	13	1	0.08	7	0	0.00
01059 THALLIUM, TOTAL	Fresh Acute	1400.	4	0	0.00	3	0	0.00	1	0	0.00			
	Drinking Water	2.	1 &	1	1.00	1	1	1.00						
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00				6	0	0.00	3	0	0.00
	Drinking Water	100.	9	0	0.00				6	0	0.00	3	0	0.00
01067 NICKEL, TOTAL	Fresh Acute	1400.	12	0	0.00	9	0	0.00	3	0	0.00			
	Drinking Water	100.	12	1	0.08	9	0	0.00	3	1	0.33			
01077 SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00	1	0	0.00						
	Drinking Water	100.	1	0	0.00	1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	34	0	0.00	12	0	0.00	12	0	0.00	10	0	0.00
	Drinking Water	5000.	34	0	0.00	12	0	0.00	12	0	0.00	10	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	6	0	0.00	4	0	0.00	2	0	0.00			
	Drinking Water	50.	6	0	0.00	4	0	0.00	2	0	0.00			
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	20	16	0.80	11	8	0.73	4	4	1.00	5	4	0.80
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	217	93	0.43	63	33	0.52	100	39	0.39	54	21	0.39
34356 ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	3	0	0.00	3	0	0.00						
34361 ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	3	0	0.00	3	0	0.00						
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
	Drinking Water	1.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
39310 P,P'DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	10	0	0.00	8	0	0.00	1	0	0.00	1	0	0.00
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	3	0	0.00	3	0	0.00	1	0	0.00	1	0	0.00
	Drinking Water	0.2	3	0	0.00	3	0	0.00						
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
	Drinking Water	2.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	3	0	0.00	3	0	0.00						
	Drinking Water	3.	3	0	0.00	3	0	0.00						
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	3	0	0.00						
	Drinking Water	0.4	3	0	0.00	3	0	0.00						
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	3	0	0.00						
	Drinking Water	0.2	3	0	0.00	3	0	0.00						
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	3	0	0.00	3	0	0.00						
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
	Drinking Water	1.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	3	0	0.00	3	0	0.00				1	0	0.00
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	3	0	0.00	3	0	0.00				1	0	0.00
39782 LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	1	0	0.00									
	Drinking Water	0.2	1	0	0.00									
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	73	57	0.78	22	21	0.95	26	14	0.54	25	22	0.88
71900 MERCURY, TOTAL	Fresh Acute	2.4	32	0	0.00	13	0	0.00	12	0	0.00	7	0	0.00
	Drinking Water	2.	32	0	0.00	13	0	0.00	12	0	0.00	7	0	0.00
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	9	0	0.00	2	0	0.00	4	0	0.00	3	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: FRSP0022 Parameter Code: 00300

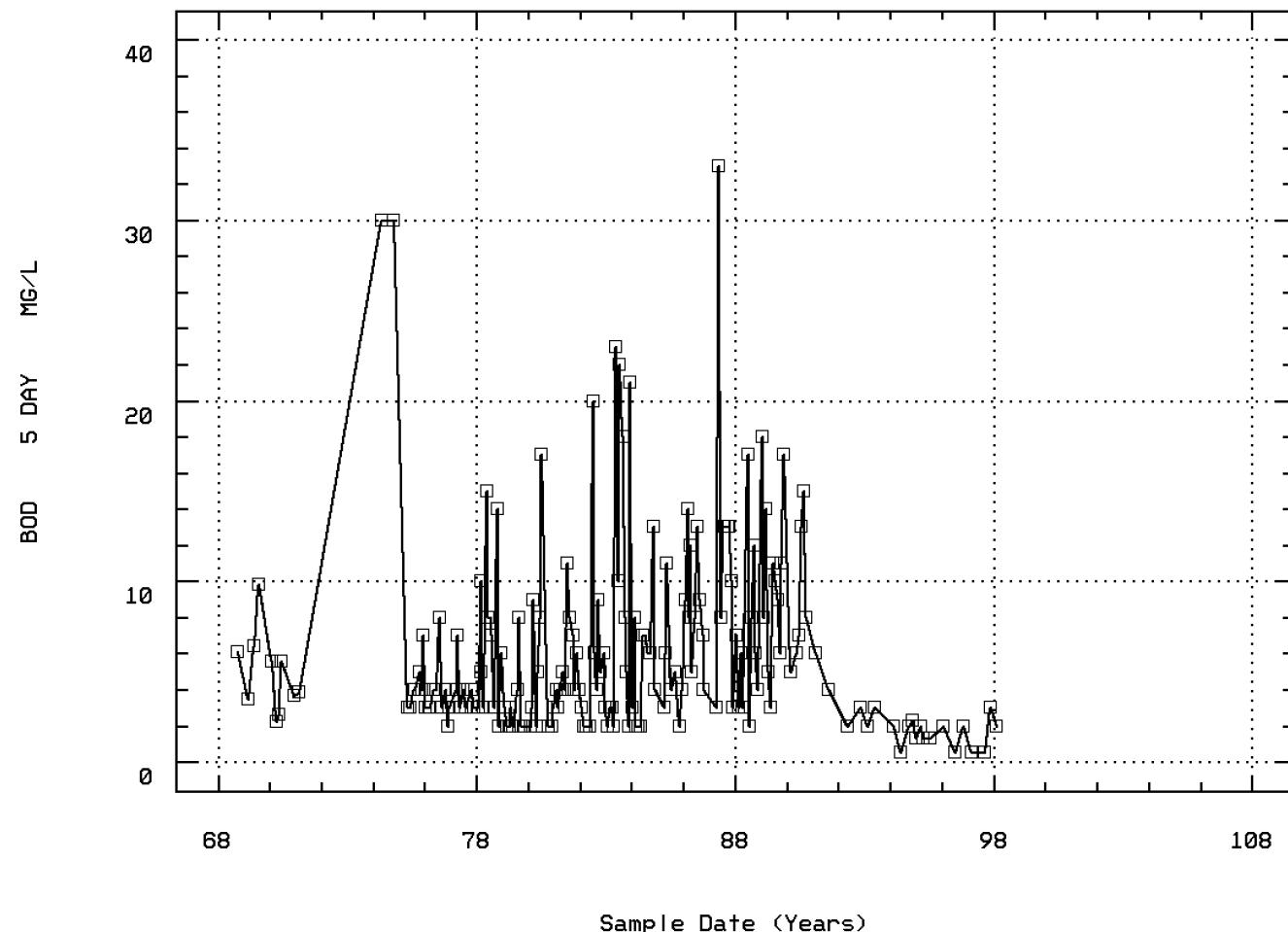
OXYGEN, DISSOLVED



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00310

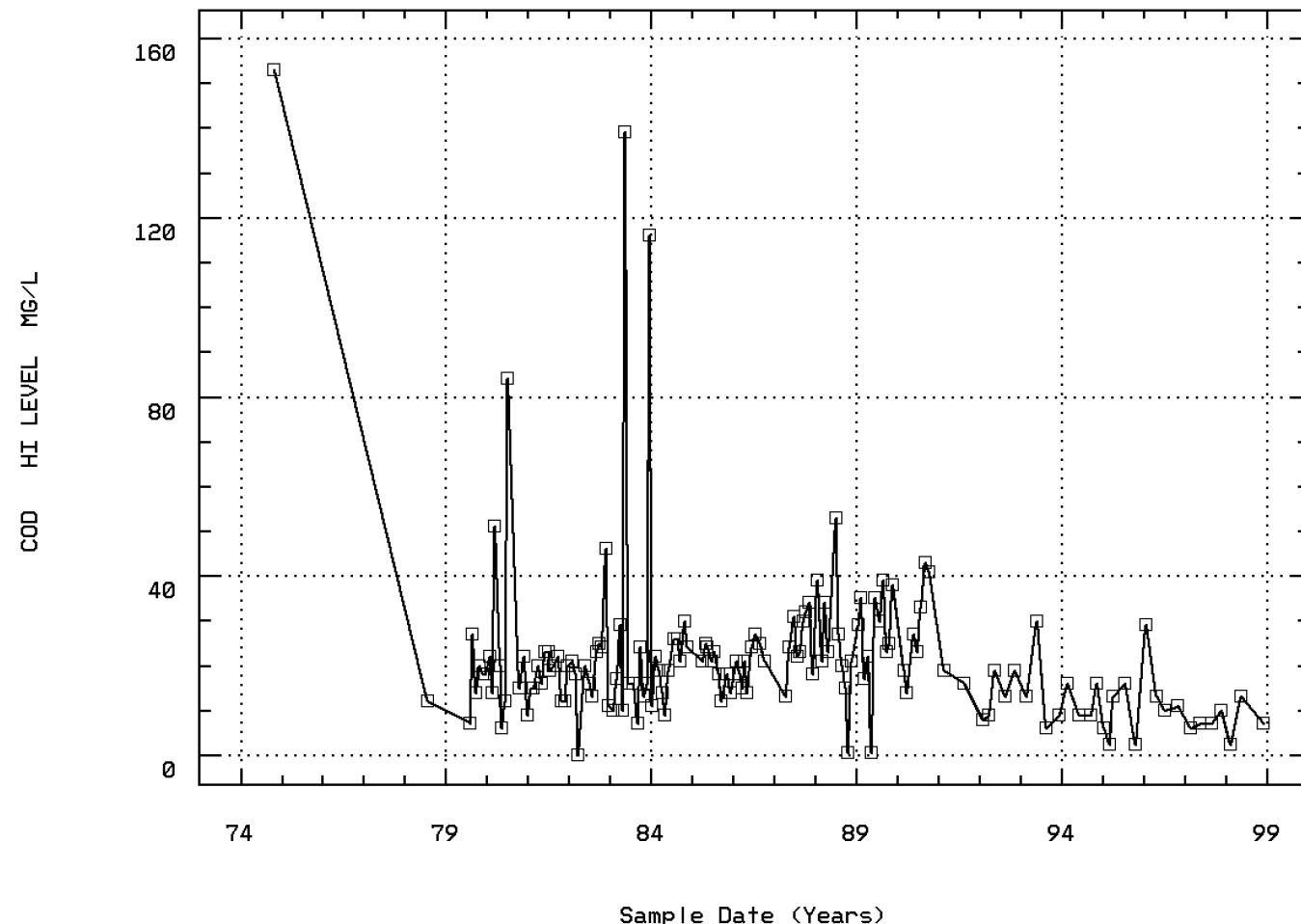
BOD, 5 DAY, 20 DEG C



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00340

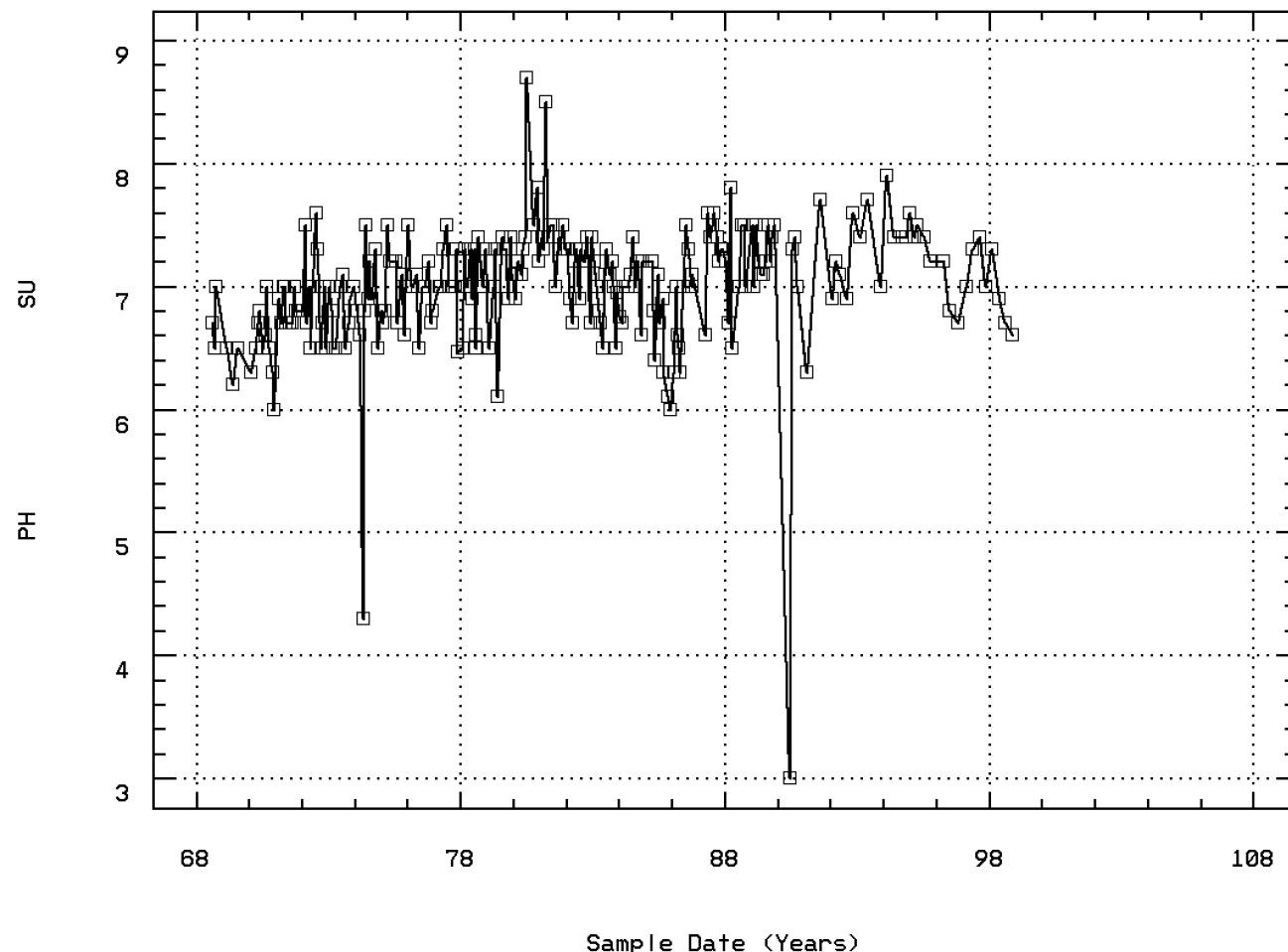
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RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00400

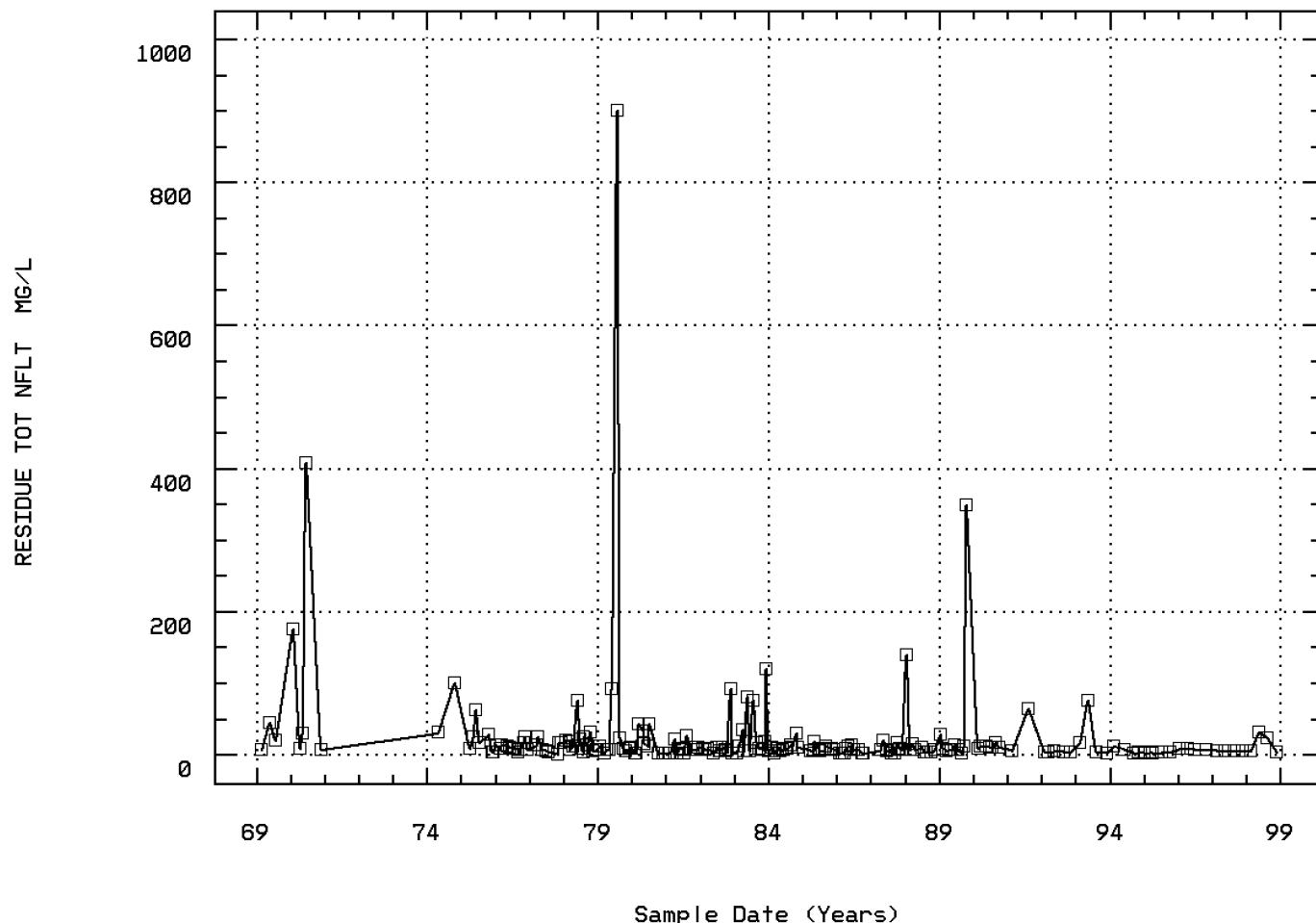
PH (STANDARD UNITS)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00530

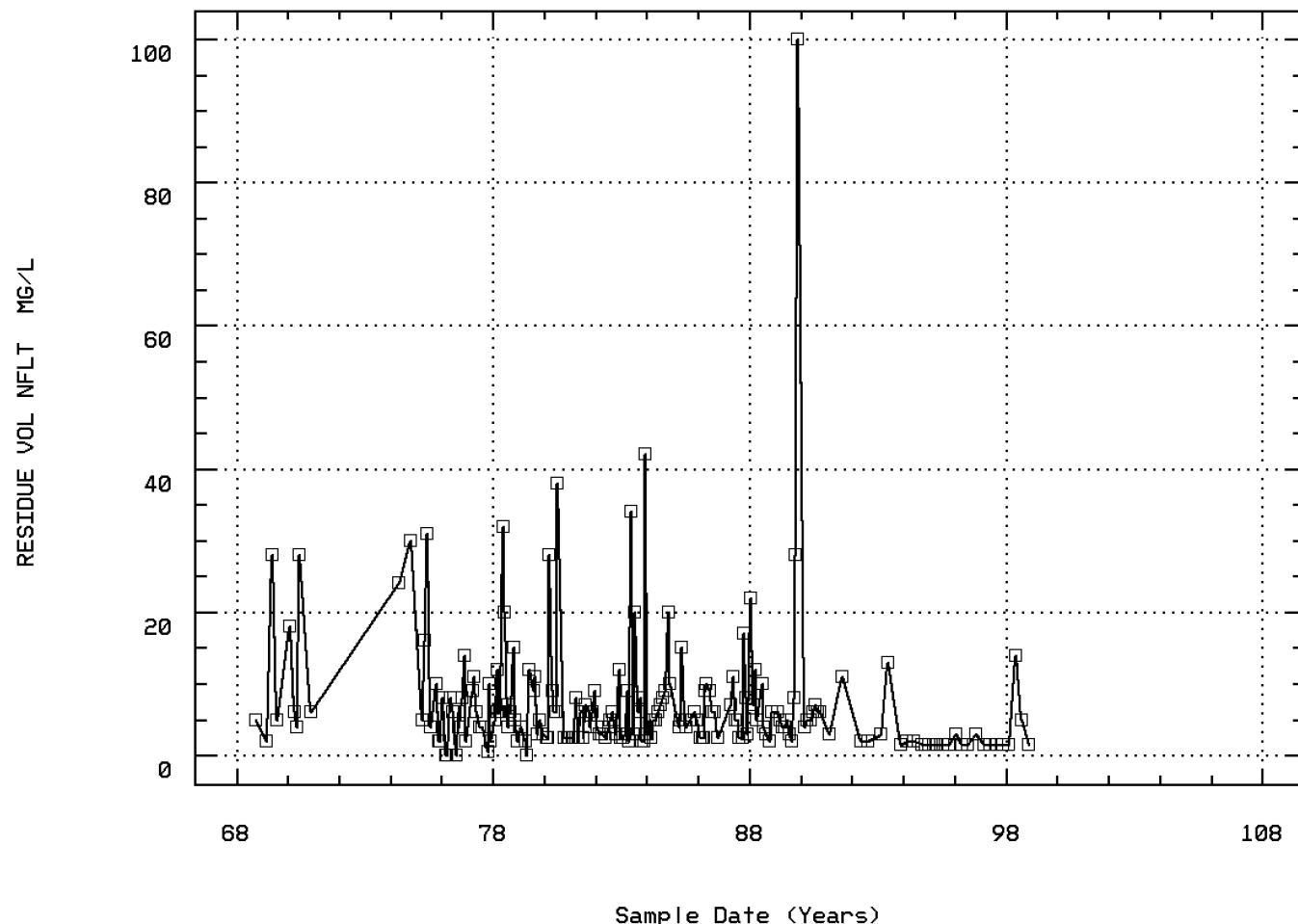
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00535

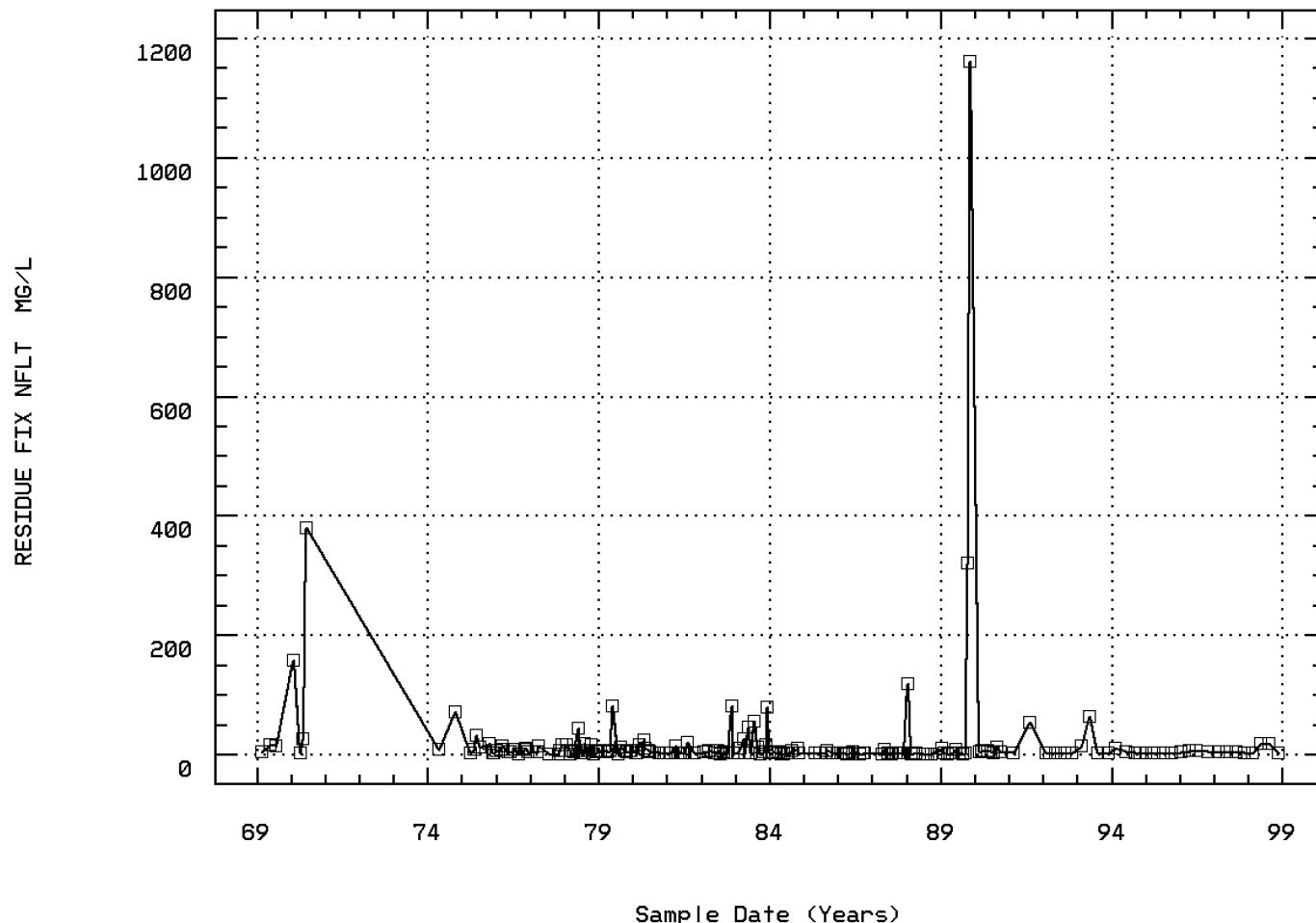
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00540

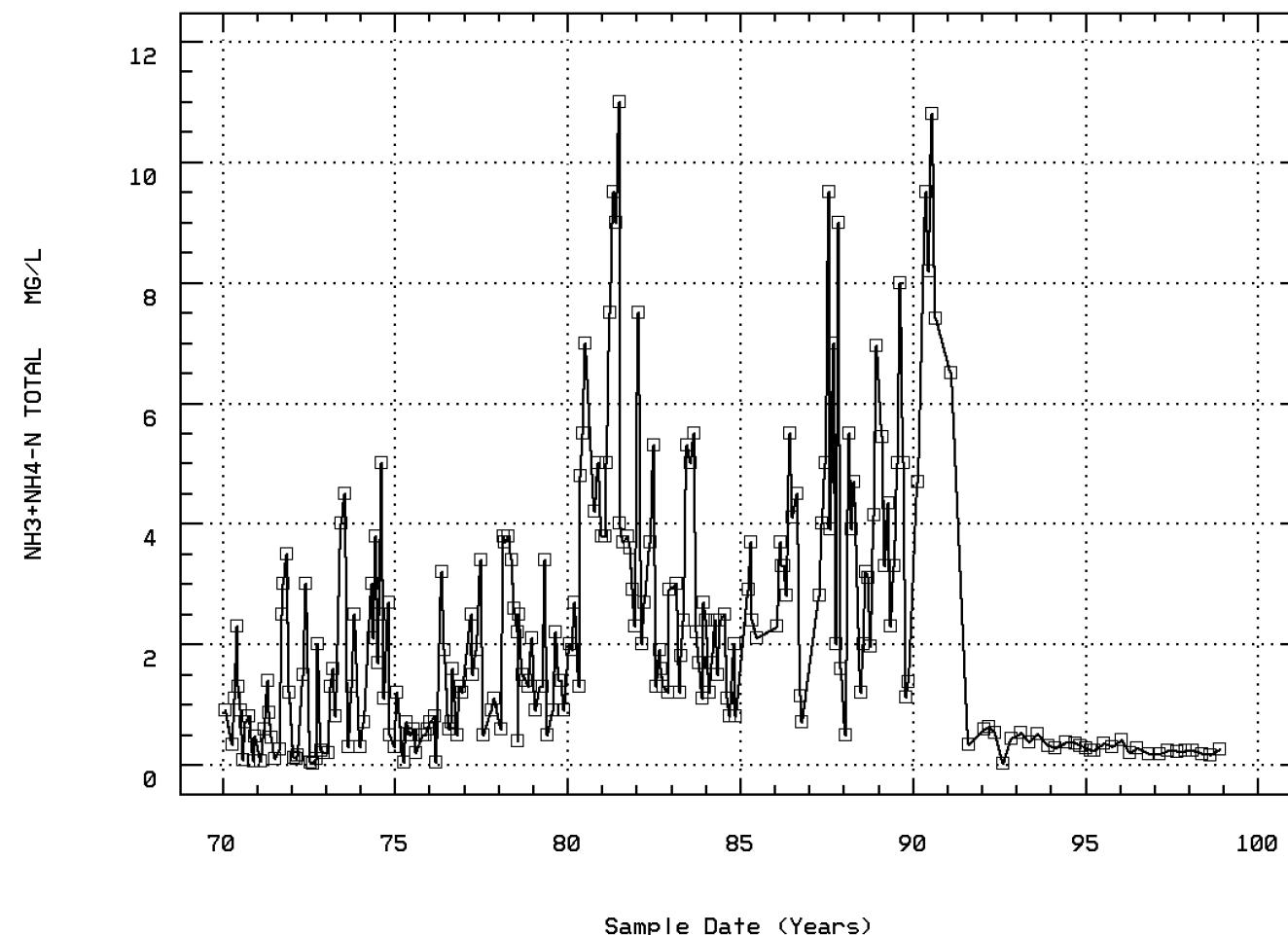
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00610

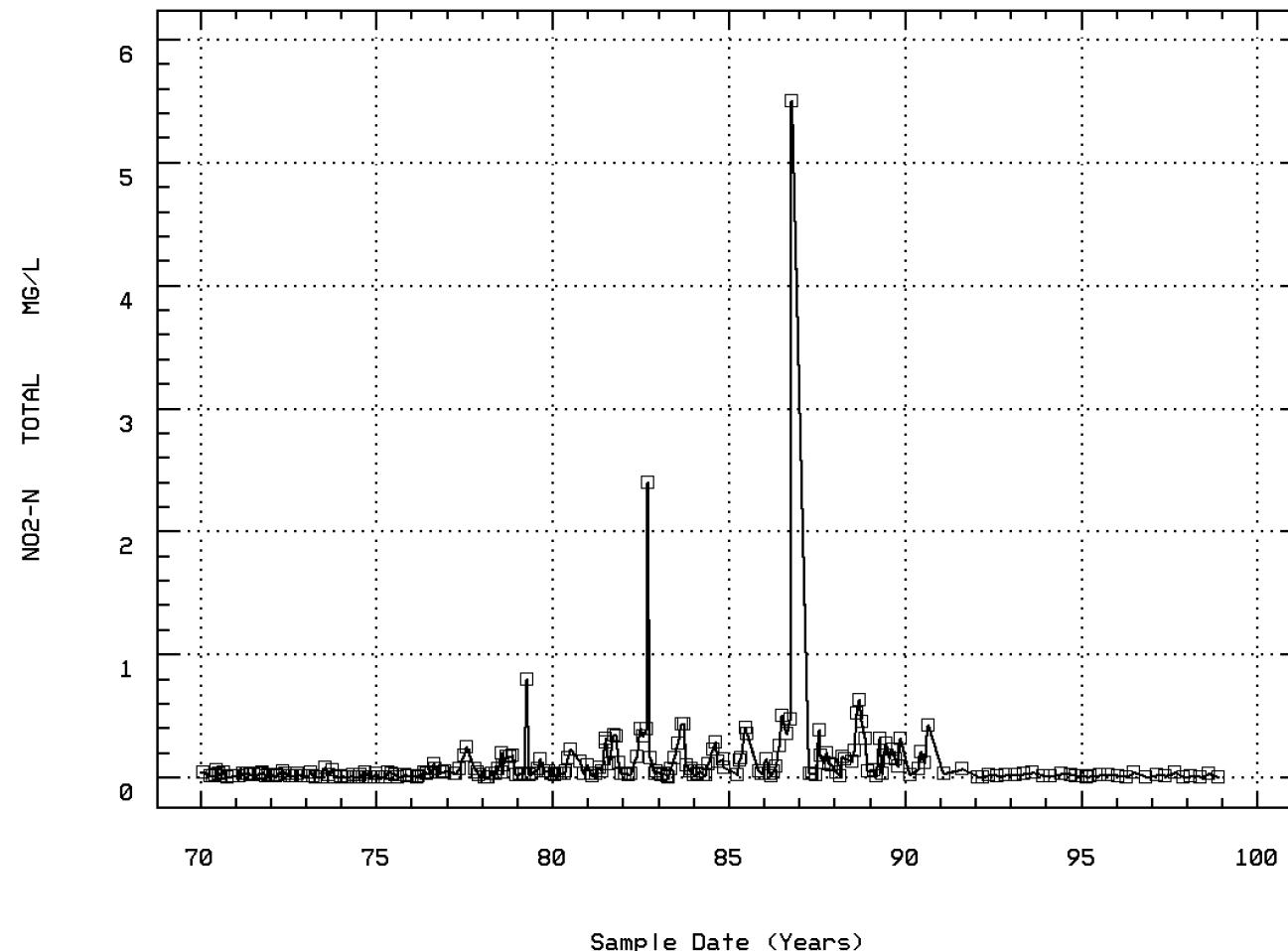
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00615

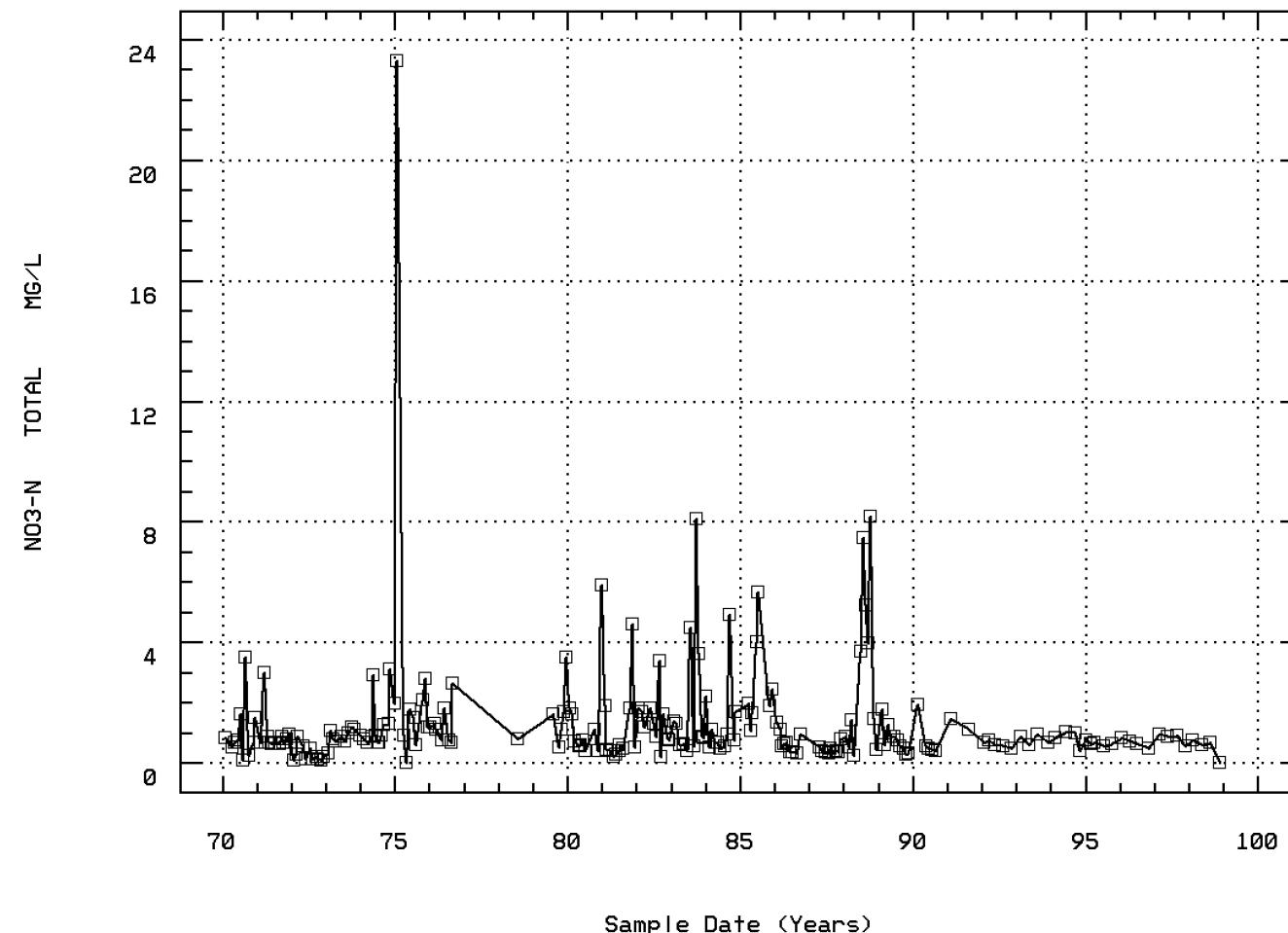
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00620

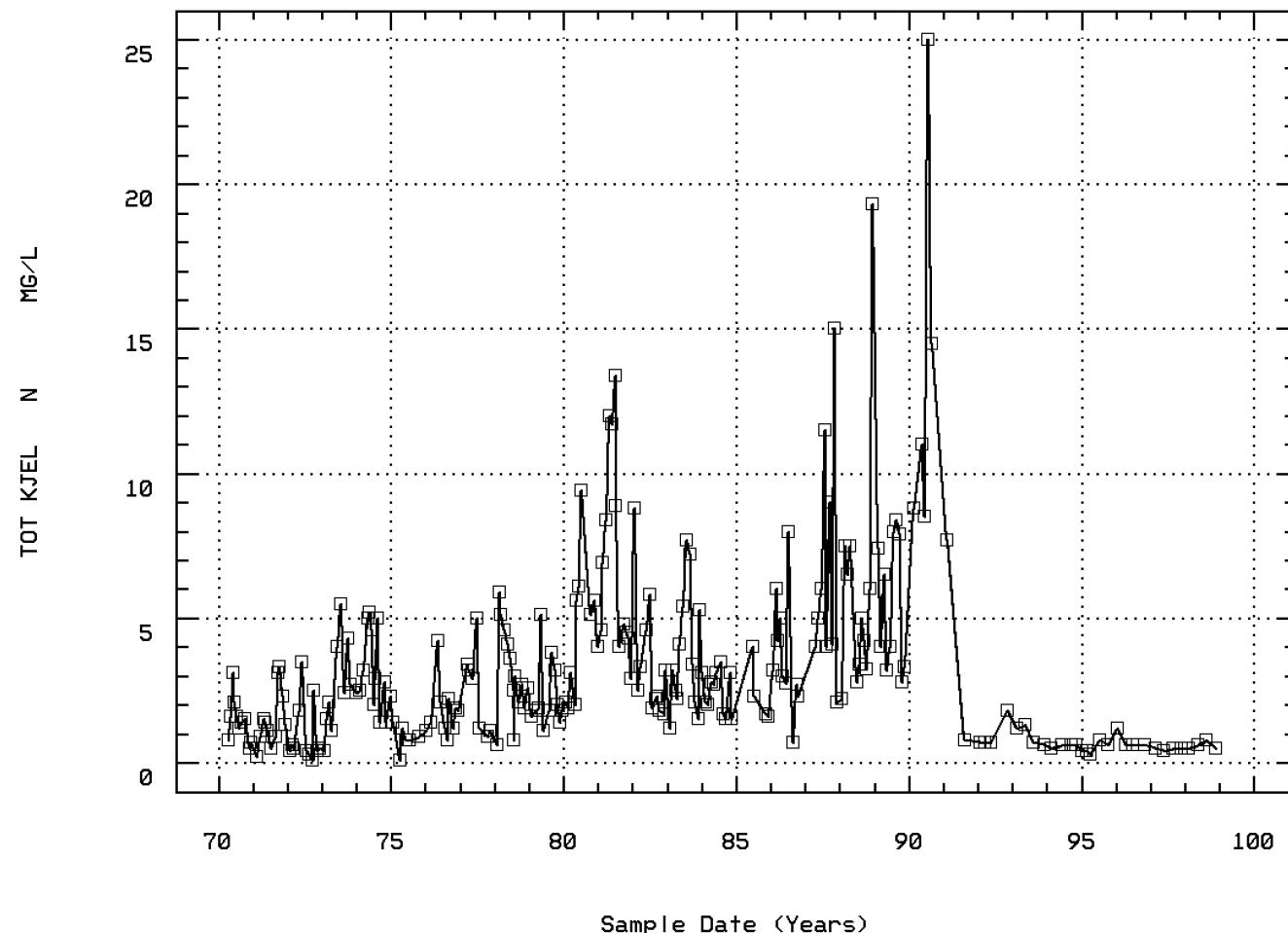
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00625

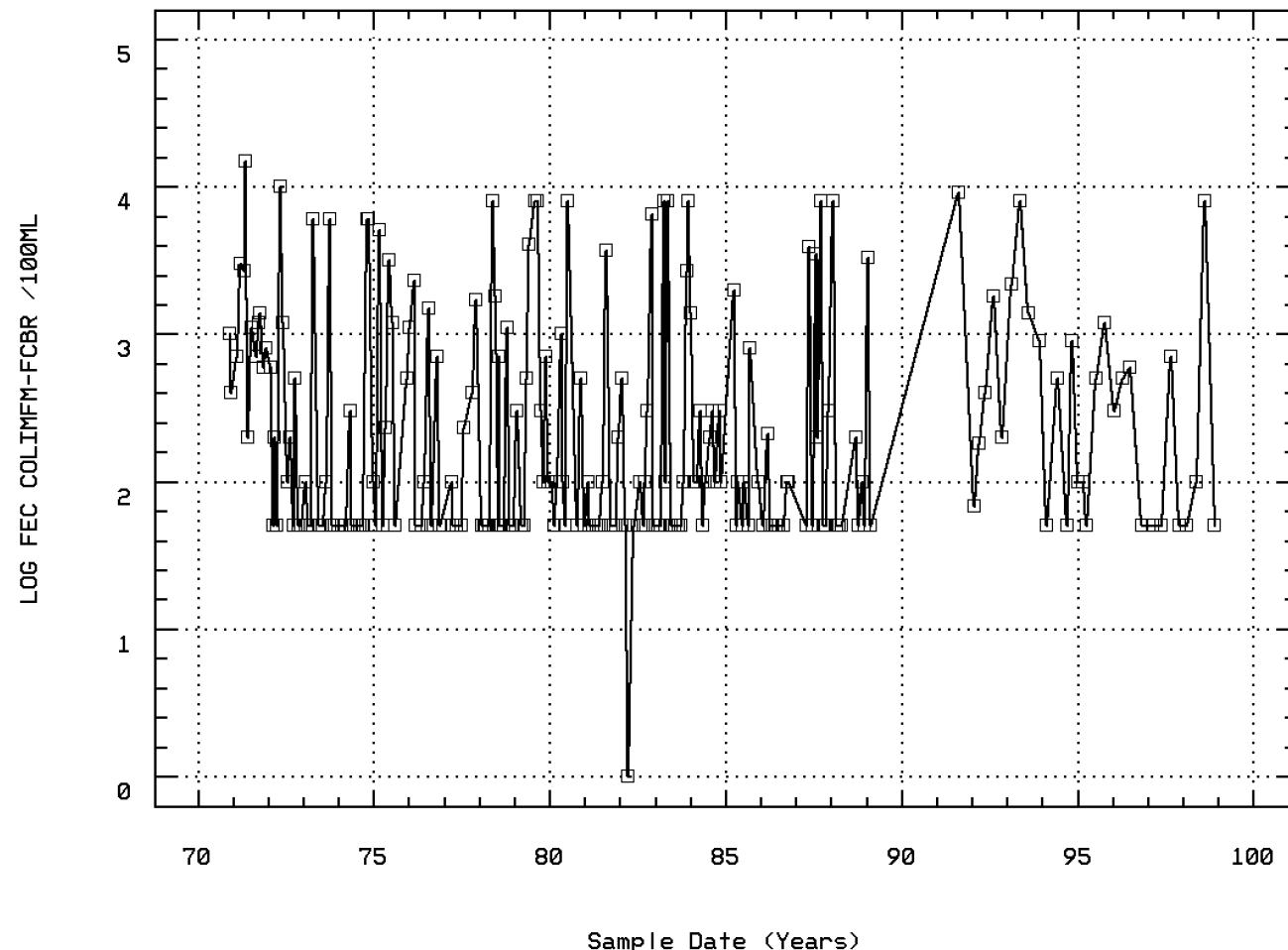
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 31616

LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



RT. 3 BRIDGE

Annual Analysis for 1968 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	3	20.	19.467	25.6	12.8	41.173	6.417	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	3	7.2	7.133	9.	5.2	3.613	1.901	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	1	6.1	6.1	6.1	0.	0.	**	**	**	**	**
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	3	6.7	6.733	7.	6.5	0.063	0.252	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	3	6.7	6.688	7.	6.5	0.066	0.258	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	3	0.2	0.205	0.316	0.1	0.012	0.108	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	1	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	3	17.2	14.067	22.2	2.8	101.453	10.072	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	3	7.8	8.833	11.8	6.9	6.803	2.608	**	**	**	**
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	3	6.4	6.567	9.8	3.5	9.943	3.153	**	**	**	**
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	3	6.5	6.4	6.5	6.2	0.03	0.173	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	3	6.5	6.376	6.5	6.2	0.031	0.176	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	3	0.316	0.421	0.631	0.316	0.033	0.182	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	3	19.	23.333	44.	7.	356.333	18.877	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	3	5.	11.667	28.	2.	202.333	14.224	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	3	14.	11.667	16.	5.	34.333	5.859	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	11	13.3	13.736	26.1	3.9	65.183	8.074	4.	6.7	21.1	25.66
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	11	8.4	8.309	10.4	4.6	3.163	1.778	4.88	7.4	9.8	10.32
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	5	3.7	3.94	5.6	2.2	2.598	1.612	**	**	**	**
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	11	6.5	6.536	7.	6.	0.075	0.273	6.06	6.3	6.7	6.96
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	11	6.5	6.455	7.	6.	0.082	0.286	6.06	6.3	6.7	6.96
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	11	0.316	0.351	1.	0.1	0.063	0.25	0.112	0.2	0.501	0.9
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	5	29.	125.4	407.	7.	29738.3	172.448	**	**	**	**
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	5	6.	12.4	28.	4.	106.8	10.334	**	**	**	**
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	5	25.	113.	379.	1.	26347.5	162.319	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.8	0.813	2.299	0.06	0.4	0.633	0.064	0.33	1.099	2.099
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.01	0.022	0.06	0.005	0.	0.018	0.006	0.01	0.04	0.056
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.73	1.011	3.509	0.08	0.895	0.946	0.114	0.5	1.5	3.131
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	10	1.45	1.449	3.099	0.5	0.571	0.756	0.52	0.775	1.724	2.999
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	6	18.5	17.167	21.	10.	16.567	4.07	**	**	**	**
31616p FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	2	700.	700.	1000.	400.	180000.	424.264	**	**	**	**
31616p LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	2	2.801	2.801	3.	2.602	0.079	0.281	**	**	**	**
31616p GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	632.456								
70505 PHOSPHATE,TOTAL,COLORIMETRIC MÉTHOD (MG/L AS P)	02/03/70-08/23/79	11	0.45	0.823	2.6	0.05	0.814	0.902	0.05	0.05	1.9	2.47
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	11	0.6	0.775	3.	0.01	0.838	0.916	0.012	0.05	1.399	2.72

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	11	16.1	14.555	25.6	3.3	45.173	6.721	4.2	8.9	20.6	24.82
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	11	10.	9.964	12.8	7.	3.071	1.752	7.2	8.6	11.4	12.64
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	1	3.9	3.9	3.9	0.	0.		**	**	**	**
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	11	6.8	6.827	7.	6.7	0.016	0.127	6.7	6.7	7.	7.
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	11	6.8	6.811	7.	6.7	0.016	0.128	6.7	6.7	7.	7.
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	11	0.158	0.154	0.2	0.1	0.002	0.042	0.1	0.1	0.2	0.2
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.86	1.266	3.5	0.06	1.465	1.21	0.068	0.25	2.5	3.4
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.03	0.025	0.04	0.01	0.	0.009	0.01	0.02	0.03	0.038
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.69	0.941	2.969	0.62	0.465	0.682	0.622	0.65	0.87	2.561
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	11	1.299	1.499	3.299	0.2	1.005	1.003	0.26	0.9	2.299	3.259
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	11	14.	14.455	19.	8.	11.073	3.328	8.8	12.	18.	19.
31616p FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	11	1100.	2490.909	15000.	200.	17966909.091	4238.739	280.	700.	2700.	12600.
31616p LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	11	3.041	3.093	4.176	2.301	0.233	0.482	2.396	2.845	3.431	4.036
31616p GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			1238.99								
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	11	0.4	0.464	1.3	0.05	0.152	0.39	0.05	0.2	0.8	1.22
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	11	0.3	0.372	1.	0.01	0.1	0.317	0.012	0.09	0.61	0.922

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	13	16.7	14.454	25.6	4.4	45.826	6.769	4.64	9.2	18.9	25.12
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	13	9.2	9.831	13.	7.4	4.092	2.023	7.56	7.8	11.9	12.76
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	13	7.	6.931	7.6	6.5	0.134	0.366	6.5	6.6	7.15	7.56
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	13	7.	6.81	7.6	6.5	0.15	0.387	6.5	6.6	7.15	7.56
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	13	0.1	0.155	0.316	0.025	0.011	0.107	0.028	0.075	0.258	0.316
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.15	0.68	3.	0.03	1.032	1.016	0.034	0.1	1.5	2.8
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.01	0.018	0.05	0.01	0.	0.013	0.01	0.01	0.03	0.046
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.2	0.288	0.88	0.07	0.064	0.252	0.076	0.11	0.49	0.814
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	11	0.5	1.	3.5	0.1	1.218	1.104	0.14	0.4	1.799	3.3
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	7	6.	6.714	16.	3.	18.571	4.309	**	**	**	**
31616p FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	12	150.	1087.5	10000.	50.	7996420.455	2827.794	50.	50.	575.	7360.
31616p LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	12	2.151	2.304	4.	1.699	0.526	0.725	1.699	1.699	2.758	3.724
31616p GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			201.574								
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	11 ##	0.05	0.168	0.7	0.05	0.05	0.223	0.05	0.05	0.2	0.66
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	11	0.03	0.206	1.199	0.01	0.135	0.367	0.012	0.02	0.3	1.065

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Annual Analysis for 1973 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	10	14.15	15.35	26.7	5.6	69.865	8.359	5.65	6.1	25.6	26.59
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	10	9.5	9.56	12.8	7.8	2.609	1.615	7.82	8.	10.7	12.62
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	10	6.85	6.8	7.1	6.5	0.056	0.236	6.5	6.5	7.	7.09
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	10	6.847	6.742	7.1	6.5	0.059	0.244	6.5	6.5	7.	7.09
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	10	0.142	0.181	0.316	0.079	0.01	0.099	0.081	0.1	0.316	0.316
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	10	1.299	1.68	4.5	0.2	2.342	1.53	0.21	0.3	2.875	4.45
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	10	0.01	0.025	0.08	0.005	0.001	0.027	0.005	0.005	0.045	0.078
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	10	0.87	0.861	1.189	0.33	0.061	0.248	0.367	0.715	1.069	1.18
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	10	2.399	2.639	5.5	0.4	2.432	1.559	0.47	1.4	4.075	5.38
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	9	15.	13.667	17.	1.	24.25	4.924	1.	13.5	16.5	17.
31616p FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	10 ##	50.	1250.	6000.	50.	6267777.778	2503.553	50.	50.	1575.	6000.
31616p LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	10 ##	1.699	2.175	3.778	1.699	0.729	0.854	1.699	1.699	2.445	3.778

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Annual Analysis for 1973 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	149.628							
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	10	0.6	0.815	2.	0.05	0.452	0.672	0.075	0.3	1.3	1.99
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	10	0.395	0.611	2.	0.02	0.375	0.612	0.023	0.163	0.962	1.9

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Annual Analysis for 1974 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	12	16.95	16.933	24.4	4.4	49.148	7.011	6.08	11.	23.9	24.4
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	12	8.6	9.133	12.8	7.6	2.772	1.665	7.6	7.625	10.45	12.26
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	2	30.	30.	30.	0.	0.	0.	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	10/22/74-11/23/98	1	153.	153.	153.	0.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	12	6.85	6.708	7.5	4.3	0.655	0.81	4.96	6.65	7.125	7.44
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	12	6.847	5.366	7.5	4.3	2.622	1.619	4.96	6.65	7.125	7.44
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	12	0.142	4.307	50.119	0.032	208.143	14.427	0.037	0.079	0.228	35.178
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	2	66.	66.	100.	32.	2312.	48.083	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	2	27.	27.	30.	24.	18.	4.243	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	2	39.	39.	70.	8.	1922.	43.841	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	12	1.899	2.033	5.	0.3	2.064	1.437	0.36	0.775	2.925	4.64
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	12##	0.005	0.013	0.04	0.005	0.	0.012	0.005	0.005	0.02	0.037
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	12	0.9	1.337	3.099	0.68	0.739	0.859	0.68	0.71	1.802	3.039
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	12	2.849	3.191	5.199	1.399	1.992	1.411	1.399	2.075	4.9	5.139
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	12	17.5	17.25	22.	14.	7.295	2.701	14.	15.	18.	22.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	11##	50.	1159.091	6000.	50.	5733909.091	2394.558	50.	50.	300.	6000.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	11##	1.699	2.175	3.778	1.699	0.685	0.828	1.699	1.699	2.477	3.778
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	149.662							
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	12	1.45	1.575	3.1	0.5	0.638	0.799	0.5	0.925	2.	2.98
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	12	1.199	1.304	2.699	0.05	0.637	0.798	0.155	0.75	1.9	2.639

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Annual Analysis for 1975 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	10	12.5	12.94	22.2	1.1	49.329	7.023	1.71	7.2	19.325	22.04
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	10	10.05	10.28	13.2	7.9	3.22	1.794	7.96	8.8	11.9	13.16
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	8	4.	3.875	7.	1.	2.982	1.727	**	**	**	**
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	10	7.05	7.	7.5	6.6	0.084	0.291	6.61	6.7	7.2	7.47
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	10	7.047	6.918	7.5	6.6	0.092	0.303	6.61	6.7	7.2	7.47
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	10	0.09	0.121	0.251	0.032	0.006	0.075	0.035	0.063	0.2	0.246
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	7	16.	21.	63.	4.	432.333	20.793	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	7	5.	10.	31.	2.	111.	10.536	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	7	8.	11.	32.	2.	121.	11.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	9	0.5	0.539	1.199	0.05	0.103	0.322	0.05	0.35	0.65	1.199
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	9	0.01	0.016	0.04	0.005	0.	0.012	0.005	0.005	0.025	0.04
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	9	1.479	3.789	23.29	0.005	54.153	7.359	0.005	0.75	2.434	23.29
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	8	0.95	0.9	1.399	0.1	0.145	0.381	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	8	9.5	9.625	14.	3.	12.268	3.503	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	6	15.5	14.5	18.	8.	11.9	3.45	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	8	365.	1297.5	5100.	50.	3504621.429	1872.063	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	8	2.53	2.556	3.708	1.699	0.68	0.825	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	359.906							
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	8	0.45	0.463	0.9	0.05	0.105	0.324	**	**	**	**

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Annual Analysis for 1975 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	9	0.31	0.341	0.7	0.005	0.061	0.246	0.005	0.125	0.55	0.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	11	10.	13.982	26.7	2.8	79.256	8.903	3.12	6.1	24.4	26.24
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	11	10.5	9.8	11.2	7.6	2.09	1.446	7.72	8.3	11.2	11.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	11	3.	3.636	8.	2.	2.455	1.567	2.2	3.	4.	7.2
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	11	7.	6.982	7.5	6.5	0.068	0.26	6.54	6.8	7.1	7.44
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	11	7.	6.912	7.5	6.5	0.073	0.27	6.54	6.8	7.1	7.44
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	11	0.1	0.123	0.316	0.032	0.006	0.078	0.038	0.079	0.158	0.293
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	11	10.	11.091	24.	4.	33.091	5.752	4.4	6.	14.	22.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	11	6.	5.091	14.	0.	19.491	4.415	0.	0.	8.	12.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	11	6.	6.	14.	0.	17.6	4.195	0.	4.	8.	13.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.8	1.14	3.199	0.05	0.745	0.863	0.14	0.6	1.599	2.939
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.04	0.04	0.11	0.005	0.001	0.03	0.006	0.01	0.05	0.102
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	8	1.139	1.277	2.629	0.69	0.432	0.657	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	11	1.399	1.717	4.199	0.8	0.895	0.946	0.84	1.099	2.099	3.799
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	10	9.5	9.7	15.	6.	5.344	2.312	6.2	8.75	10.25	14.6
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	8	20.5	29.	53.	15.	251.714	15.866	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	9	100.	655.556	2300.	50.	674027.778	820.992	50.	50.	1300.	2300.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	9	2.	2.358	3.362	1.699	0.531	0.729	1.699	1.699	3.109	3.362
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	227.929							
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	11	0.5	0.536	1.4	0.3	0.107	0.326	0.3	0.3	0.6	1.28
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	11	0.37	0.427	0.9	0.13	0.057	0.239	0.148	0.25	0.55	0.88

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	9	15.	13.856	26.	0.9	98.72	9.936	0.9	2.15	23.5	26.
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	9	9.	8.811	11.7	6.7	3.181	1.784	6.7	6.95	10.2	11.7
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	8	3.5	3.875	7.	3.	1.839	1.356	**	**	**	**
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	9	7.	7.063	7.5	6.47	0.084	0.29	6.47	7.	7.3	7.5
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	9	7.	6.967	7.5	6.47	0.095	0.308	6.47	7.	7.3	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	9	0.1	0.108	0.339	0.032	0.008	0.091	0.032	0.05	0.1	0.339
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	9	7.	10.278	25.	5.	65.194	8.074	0.5	4.	16.5	25.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	9	4.	5.611	11.	0.5	13.361	3.655	0.5	3.	9.5	11.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	8	3.	5.313	15.	0.	36.924	6.077	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	9	1.099	1.477	3.399	0.5	0.941	0.97	0.5	0.7	2.2	3.399
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	9	0.07	0.104	0.25	0.02	0.009	0.095	0.02	0.03	0.215	0.25
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	9	1.199	2.21	5.	0.9	2.139	1.462	0.9	1.05	3.299	5.
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	8	10.	10.	12.	8.	1.714	1.309	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	9	29.	27.444	37.	4.	94.278	9.71	4.	26.	34.	37.
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	8	165.	351.25	1700.	50.	312326.786	558.862	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	8	2.181	2.207	3.23	1.699	0.296	0.544	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	160.92							
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	9	0.6	1.244	3.4	0.3	1.648	1.284	0.3	0.35	2.5	3.4
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	9	0.46	1.211	3.399	0.25	1.705	1.306	0.25	0.34	2.499	3.399

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	14	14.5	14.1	25.5	0.4	72.563	8.518	2.2	5.125	22.	25.25
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	15	8.1	8.94	12.	6.3	3.15	1.775	6.9	7.6	10.6	11.82
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	13	6.	6.538	15.	1.	19.603	4.427	1.4	3.	9.	14.6
00340 COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	1	12.	12.	12.	0.	0.	0.	**	**	**	**
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	14	7.	7.029	7.4	6.5	0.098	0.312	6.5	6.825	7.3	7.35
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	14	7.	6.916	7.4	6.5	0.111	0.334	6.5	6.825	7.3	7.35
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	14	0.1	0.121	0.316	0.04	0.01	0.099	0.045	0.05	0.157	0.316
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	13	13.	18.846	76.	4.	368.308	19.191	4.4	6.	23.5	58.
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	13	6.	9.308	32.	1.	74.564	8.635	1.4	4.5	13.5	27.2
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	13	6.	9.692	44.	0.	141.897	11.912	0.	2.	15.5	33.6
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	13	2.2	2.254	3.799	0.4	1.397	1.182	0.48	1.35	3.55	3.799
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	13	0.04	0.079	0.2	0.005	0.006	0.075	0.005	0.013	0.17	0.192
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	1	0.8	0.8	0.8	0.	0.	0.	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	13	2.7	3.038	5.899	0.6	2.503	1.582	0.68	2.	4.35	5.579
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	1	0.2	0.2	0.2	0.	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	1	0.24	0.24	0.24	0.	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	13	11.	13.	35.	4.	57.833	7.605	5.2	8.5	15.5	27.8
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	11	23.	26.455	44.	19.	68.073	8.251	19.	21.	34.	42.6
31616p FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	13 ##	50.	926.923	8000.	50.	4816089.744	2194.559	50.	50.	900.	5520.
31616p LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	13 ##	1.699	2.18	3.903	1.699	0.616	0.785	1.699	1.699	2.943	3.644
31616p GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			151.238								
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	12	1.5	1.721	4.3	0.05	1.819	1.349	0.095	0.65	2.95	4.06
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	12	1.25	1.347	3.5	0.03	1.28	1.131	0.06	0.475	1.775	3.44

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station FRSP0022

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	10	13.5	14.32	24.	6.2	25.702	5.07	6.58	10.375	17.875	23.5
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	5	194.	192.6	211.	173.	191.3	13.831	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	11	9.3	9.591	11.8	6.7	2.425	1.557	6.96	8.5	10.8	11.74
00310p BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	11	2.	2.727	8.	1.	3.818	1.954	1.	2.	3.	7.2
00340 COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	6	18.	17.333	27.	7.	43.867	6.623	**	**	**	**
00400p PH (STANDARD UNITS)	08/06/68-11/23/98	10	7.2	7.03	7.4	6.1	0.185	0.43	6.14	6.8	7.325	7.4
00400p CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	10	7.189	6.784	7.4	6.1	0.252	0.502	6.14	6.8	7.325	7.4
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	10	0.065	0.165	0.794	0.04	0.056	0.236	0.04	0.048	0.173	0.747
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	11	9.	97.636	900.	2.	71462.455	267.325	2.6	7.	23.	738.4
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	11	3.	4.636	12.	0.	17.455	4.178	0.2	1.	9.	11.8
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	11	7.	12.455	80.	0.	512.073	22.629	0.2	5.	7.	66.4
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	1.3	1.382	3.4	0.5	0.638	0.799	0.58	0.9	1.4	3.16
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.05	0.119	0.8	0.02	0.052	0.229	0.022	0.03	0.07	0.67
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	5	1.6	1.68	3.5	0.5	1.262	1.123	**	**	**	**
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	11	1.8	2.318	5.1	1.1	1.464	1.21	1.16	1.6	3.2	4.84
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	5	1.4	1.62	2.4	1.2	0.272	0.522	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	5	1.4	1.58	2.4	1.	0.322	0.567	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	10	9.	9.4	17.	3.	14.044	3.748	3.3	7.5	11.25	16.5
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	5	20.	20.4	23.	18.	3.3	1.817	**	**	**	**
31616p FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	11	300.	2018.182	8000.	50.	10095136.364	3177.284	50.	100.	4100.	8000.
31616p LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	11	2.477	2.665	3.903	1.699	0.682	0.826	1.699	2.	3.613	3.903
31616p GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			462.402								
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	6	1.	1.083	2.1	0.3	0.502	0.708	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	6	0.95	1.04	2.	0.26	0.436	0.66	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	10	12.4	12.82	21.5	5.5	40.946	6.399	5.55	6.075	19.1	21.35
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	10	261.5	256.4	405.	138.	7753.378	88.053	141.2	171.5	330.5	398.9
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	10	10.35	10.	12.1	7.	3.527	1.878	7.04	8.225	11.9	12.08
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	10	3.	5.3	17.	2.	23.567	4.855	2.	2.	8.25	16.2
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	10	17.5	25.5	84.	6.	578.278	24.047	6.3	11.25	29.25	80.7
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	10	7.25	7.42	8.7	6.9	0.264	0.514	6.92	7.1	7.575	8.61
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	10	7.247	7.259	8.7	6.9	0.293	0.541	6.92	7.1	7.575	8.61
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	10	0.057	0.055	0.126	0.002	0.001	0.036	0.003	0.028	0.079	0.121
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	10 ##	7.25	15.75	43.	2.5	291.292	17.067	2.5	2.5	35.25	42.9
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	10 ##	4.25	9.95	38.	2.5	158.025	12.571	2.5	2.5	13.75	37.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	10 ##	3.25	7.05	24.	2.5	52.025	7.213	2.5	2.5	10.5	23.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	10	4.	3.82	7.	1.3	3.337	1.827	1.36	1.975	5.125	6.85
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	10	0.04	0.081	0.23	0.02	0.005	0.072	0.021	0.03	0.138	0.223
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	10	0.72	1.381	5.9	0.4	2.755	1.66	0.4	0.528	1.65	5.49
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	10	4.55	4.49	9.4	1.9	5.592	2.365	1.91	2.075	5.725	9.07
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	10	1.25	1.62	4.	0.4	1.104	1.051	0.45	0.975	2.05	3.88
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	10	1.25	1.55	4.	0.3	1.069	1.034	0.36	0.9	1.825	3.85
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	10	11.	18.3	68.	8.	333.567	18.264	8.	9.5	18.5	63.8
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	10	100.	1000.	8000.	50.	614333.333	2478.575	50.	50.	625.	7300.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	10	2.	2.24	3.903	1.699	0.544	0.738	1.699	1.699	2.774	3.813
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	173.698								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	13	17.3	15.408	23.8	4.8	37.966	6.162	5.12	10.9	20.5	23.28
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	12	365.5	338.083	487.	206.	7473.356	86.449	217.1	244.75	392.	463.6
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	13	8.6	9.2	12.6	6.4	3.345	1.829	6.8	7.65	10.85	12.12
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	12	4.	5.083	11.	1.	6.811	2.61	1.6	4.	6.75	10.1
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	12	19.5	18.083	23.	12.	15.72	3.965	12.	15.	21.5	23.
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	13	7.4	7.454	8.5	7.	0.116	0.341	7.12	7.3	7.5	8.1
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	13	7.4	7.376	8.5	7.	0.123	0.35	7.12	7.3	7.5	8.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	13	0.04	0.042	0.1	0.003	0.	0.021	0.015	0.032	0.05	0.08
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	12	6.	8.417	27.	2.5	60.538	7.781	2.5	2.5	9.5	25.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	12	6.	5.167	9.	2.5	5.333	2.309	2.5	2.5	6.75	8.7
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	11	2.5	4.682	20.	1.	36.914	6.076	1.	2.	2.5	18.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	12	3.9	5.508	11.	2.3	8.603	2.933	2.48	3.625	8.625	10.55
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	12	0.095	0.145	0.34	0.01	0.018	0.134	0.016	0.03	0.313	0.337
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	12	0.495	1.052	4.6	0.2	1.566	1.251	0.227	0.395	1.6	3.79
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	12	5.85	7.2	13.4	2.9	13.009	3.607	3.23	4.35	11.	12.98
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	12	3.55	3.325	5.	0.9	1.298	1.139	1.26	2.6	4.15	4.85
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	12	3.4	3.267	5.	0.9	1.35	1.162	1.26	2.5	4.15	4.85
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	12	12.	11.583	19.	3.	16.992	4.122	4.8	9.	13.	18.4
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	12 ##	50.	379.167	3700.	50.	1095662.879	1046.739	50.	50.	100.	2650.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	12 ##	1.699	1.98	3.568	1.699	0.289	0.538	1.699	1.699	2.	3.188
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	95.536								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	9	9.5	12.333	22.5	4.	48.002	6.928	4.	6.3	19.2	22.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	11	276.	257.545	380.	4.	14595.873	120.813	31.4	146.	367.	380.
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	11	10.2	9.955	12.3	7.9	2.969	1.723	7.9	8.1	11.4	12.22
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	11	4.	5.636	20.	2.	27.455	5.24	2.	2.	6.	17.8
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	11	20.	19.727	46.	0.	127.618	11.297	2.2	13.	24.	41.8
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	12	7.2	7.125	7.4	6.7	0.066	0.256	6.7	6.9	7.3	7.4
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	12	7.2	7.05	7.4	6.7	0.072	0.268	6.7	6.9	7.3	7.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	12	0.063	0.089	0.2	0.04	0.004	0.059	0.04	0.05	0.126	0.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	11	7.	14.455	92.	2.5	668.823	25.862	2.5	5.	10.	75.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	11	4.	4.454	12.	2.5	7.423	2.724	2.5	3.	5.	10.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	11	4.	10.364	80.	0.	536.805	23.169	0.4	2.	6.	65.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	2.	2.855	7.5	1.2	3.909	1.977	1.22	1.3	3.7	7.06
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.16	0.364	2.4	0.02	0.478	0.691	0.022	0.03	0.39	1.998
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	1.3	1.399	3.4	0.2	0.704	0.839	0.31	0.77	1.8	3.08
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	11	2.5	3.464	8.8	1.7	4.753	2.18	1.72	1.9	4.6	8.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	11	3.7	3.032	5.8	0.55	3.049	1.746	0.58	1.3	4.4	5.54
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	10	3.1	2.67	4.5	0.5	2.456	1.567	0.51	1.125	4.1	4.49
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	11	8.	7.909	17.	3.	14.291	3.78	3.2	5.	9.	15.8
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	10	75.	770.	6500.	0.	4076777.778	2019.103	5.	50.	350.	5900.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	10	1.849	1.978	3.813	0.	0.929	0.964	0.17	1.699	2.533	3.702
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	95.167								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	14	15.	14.071	23.5	6.	38.031	6.167	6.1	8.125	19.075	23.25
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	12	248.5	242.25	393.	112.	8114.568	90.081	119.8	169.75	324.75	381.9
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	14	9.4	9.7	11.9	6.4	2.723	1.65	7.15	8.45	11.425	11.75
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	12	6.5	9.917	23.	2.	74.265	8.618	2.	2.25	20.25	22.7
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	12	16.	34.417	139.	7.	1950.447	44.164	7.9	10.75	27.75	132.1
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	14	6.975	6.882	7.3	6.5	0.087	0.295	6.5	6.5	7.125	7.25
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	14	6.974	6.79	7.3	6.5	0.096	0.31	6.5	6.5	7.125	7.25
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	14	0.106	0.162	0.316	0.05	0.012	0.108	0.057	0.075	0.316	0.316
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	12	14.5	31.958	120.	2.5	1489.93	38.6	3.25	5.25	65.5	108.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	12	4.5	11.125	42.	2.	186.551	13.658	2.	2.125	17.25	39.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	12	10.	21.042	78.	0.	649.203	25.479	0.6	2.625	40.75	71.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	12	2.3	2.742	5.5	1.	2.71	1.646	1.03	1.325	4.5	5.44
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	12	0.07	0.138	0.43	0.005	0.024	0.156	0.007	0.023	0.25	0.43
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	12	0.925	1.979	8.1	0.4	5.368	2.317	0.451	0.6	3.045	7.02
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	12	3.3	3.817	7.7	1.2	4.671	2.161	1.29	2.125	5.375	7.55
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	12	1.65	2.256	5.8	0.22	3.53	1.879	0.289	0.8	3.65	5.62
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	11	1.2	1.972	5.75	0.22	2.971	1.724	0.26	0.8	3.5	5.3
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	12	9.5	12.	32.	3.	76.	8.718	3.3	8.	13.	30.5
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	12 ##	75.	2266.667	8000.	50.	12515606.061	3537.74	50.	50.	6675.	8000.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	12 ##	1.849	2.445	3.903	1.699	1.008	1.004	1.699	1.699	3.785	3.903
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	278.316								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	11	13.8	13.782	21.	4.2	44.274	6.654	4.42	8.	20.	21.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	11	227.	231.818	296.	166.	2319.364	48.16	169.4	184.	280.	294.4
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	11	9.9	10.082	13.	8.2	2.824	1.68	8.24	8.6	11.8	12.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	11	6.	5.455	13.	2.	11.273	3.357	2.	2.	7.	12.
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	11	21.	20.091	30.	9.	43.291	6.58	9.4	14.	26.	29.2
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	10	7.	6.995	7.4	6.6	0.062	0.25	6.61	6.738	7.2	7.38
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	10	7.	6.93	7.4	6.6	0.067	0.259	6.61	6.737	7.2	7.38
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	10	0.1	0.117	0.251	0.04	0.005	0.069	0.042	0.063	0.183	0.246
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	11	9.	9.955	29.	2.5	50.123	7.08	3.	5.	10.	26.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	11	6.	7.318	20.	2.5	23.114	4.808	2.6	5.	9.	18.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	11	2.5	3.091	9.	0.	7.441	2.728	0.	1.	5.	8.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	1.7	1.709	2.5	0.8	0.447	0.669	0.8	1.1	2.4	2.48
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.08	0.103	0.29	0.02	0.008	0.091	0.02	0.02	0.15	0.278
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.75	1.325	4.9	0.49	1.698	1.303	0.496	0.57	1.7	4.364
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	11	2.7	2.464	3.5	1.5	0.525	0.724	1.5	1.7	3.1	3.42
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	11	2.4	2.4	4.3	0.9	1.48	1.217	0.9	1.3	3.3	4.26
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	11	2.4	2.197	3.9	0.8	1.096	1.047	0.8	1.3	3.1	3.76
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	11	9.	9.273	15.	5.	8.218	2.867	5.2	8.	10.	14.6
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	11	100.	277.273	1400.	50.	147681.818	384.294	60.	100.	300.	1180.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	11	2.	2.234	3.146	1.699	0.157	0.397	1.759	2.	2.477	3.012
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		171.521							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	9	15.2	16.522	22.	8.	27.864	5.279	8.	12.1	21.75	22.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	9	268.	234.444	330.	52.	9993.528	99.968	52.	142.5	315.	330.
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	9	8.2	8.433	10.8	6.9	1.793	1.339	6.9	7.5	9.5	10.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	8	4.	4.5	11.	1.	9.429	3.071	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	9	21.	19.556	25.	12.	19.778	4.447	12.	16.	23.5	25.
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	9	6.7	6.611	7.2	6.	0.186	0.431	6.	6.2	7.	7.2
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	9	6.7	6.433	7.2	6.	0.222	0.471	6.	6.2	7.	7.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	9	0.2	0.369	1.	0.063	0.113	0.337	0.063	0.103	0.648	1.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	9	7.	8.333	18.	5.	17.	4.123	5.	5.5	10.	18.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	9	5.	6.	15.	4.	11.75	3.428	4.	4.5	5.5	15.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	9	2.	2.333	6.	1.	2.75	1.658	1.	1.	3.	6.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	7	2.1	2.014	3.7	1.	1.145	1.07	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	7	0.14	0.164	0.4	0.02	0.024	0.154	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	7	1.98	2.664	5.65	1.06	2.572	1.604	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	4	2.	2.4	4.	1.6	1.233	1.111	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	4	2.9	3.	5.5	0.7	6.793	2.606	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	7	3.	3.15	5.4	0.6	3.699	1.923	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	9	7.	7.778	12.	5.	6.694	2.587	5.	6.	10.	12.
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	8	100.	406.25	2000.	50.	479598.214	692.53	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	8	2.	2.163	3.301	1.699	0.367	0.606	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		145.422							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	9	16.5	15.8	22.	2.5	38.218	6.182	2.5	12.4	20.7	22.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	9	304.	310.556	410.	185.	6402.028	80.013	185.	241.5	388.5	410.
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	9	8.	9.011	13.	6.6	5.096	2.257	6.6	7.	10.85	13.
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	10	8.5	8.9	14.	4.	10.767	3.281	4.1	6.5	12.25	13.9
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	10	21.	20.7	27.	14.	17.122	4.138	14.1	17.25	24.25	26.8
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	10	7.	6.86	7.5	6.3	0.172	0.414	6.3	6.45	7.15	7.48
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	10	7.	6.692	7.5	6.3	0.203	0.45	6.3	6.45	7.15	7.48
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	10	0.1	0.203	0.501	0.032	0.033	0.18	0.033	0.072	0.362	0.501
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	10 ##	4.25	5.85	13.	2.5	17.225	4.15	2.5	2.5	9.75	12.9
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	10 ##	4.25	5.25	10.	2.5	9.958	3.156	2.5	2.5	9.	9.9
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	9 ##	2.5	2.056	4.	0.	1.653	1.286	0.	1.	2.5	4.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	10	3.3	3.135	5.5	0.7	2.16	1.47	0.745	2.013	4.2	5.4
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	10	0.205	0.741	5.5	0.01	2.828	1.682	0.012	0.045	0.478	5.
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	9	0.65	0.696	1.35	0.3	0.136	0.369	0.3	0.345	1.025	1.35
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	10	3.1	3.785	8.	0.7	4.361	2.088	0.86	2.6	5.25	7.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	9	1.6	3.033	7.5	1.2	5.268	2.295	1.2	1.25	4.8	7.5
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	10	2.15	3.065	6.75	0.95	5.004	2.237	0.97	1.188	5.563	6.65
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	10	7.5	7.3	9.	5.	1.344	1.16	5.1	6.75	8.	8.9
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	9 ##	50.	79.222	213.	50.	2985.444	54.639	50.	50.	100.	213.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	9 ##	1.699	1.836	2.328	1.699	0.051	0.226	1.699	1.699	2.	2.328
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	68.517								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	9	17.2	18.489	26.	9.7	37.351	6.112	9.7	13.1	24.35	26.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	9	284.	306.444	487.	107.	14425.528	120.106	107.	218.	412.	487.
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	8	8.3	8.413	10.8	5.6	3.318	1.822	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	9	13.	12.111	33.	3.	78.361	8.852	3.	5.5	13.	33.
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	9	24.	25.222	34.	13.	49.694	7.049	13.	20.	31.5	34.
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	9	7.4	7.322	7.6	6.6	0.092	0.303	6.6	7.25	7.55	7.6
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	9	7.4	7.194	7.6	6.6	0.11	0.332	6.6	7.25	7.55	7.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	9	0.04	0.064	0.251	0.025	0.005	0.071	0.025	0.028	0.057	0.251
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	9	6.	8.222	19.	2.5	35.132	5.927	2.5	3.75	13.	19.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	9	5.	6.778	17.	2.5	22.632	4.757	2.5	2.75	9.5	17.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	9 ##	2.5	2.667	8.	0.	5.063	2.25	0.	1.5	2.75	8.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	9	4.	4.978	9.5	1.6	8.482	2.912	1.6	2.4	8.	9.5
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	9	0.11	0.13	0.38	0.02	0.013	0.114	0.02	0.03	0.19	0.38
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	9	0.38	0.438	0.8	0.32	0.023	0.15	0.32	0.345	0.495	0.8
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	9	5.	6.744	15.	2.1	17.885	4.229	2.1	4.	10.25	15.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	9	2.	1.939	4.25	0.2	1.314	1.146	0.2	1.15	2.5	4.25
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	9	1.85	1.692	3.5	0.13	1.02	1.01	0.13	0.95	2.325	3.5
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	5	7.	8.6	14.	6.	10.3	3.209	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	9	200.	1788.889	8000.	50.	7849861.111	2801.76	50.	50.	3700.	8000.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	9	2.301	2.512	3.903	1.699	0.857	0.926	1.699	1.699	3.568	3.903
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	325.441								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	11	13.2	14.682	23.	3.2	48.684	6.977	3.9	7.4	22.5	23.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	10	311.5	300.2	410.	120.	7000.844	83.671	132.7	254.5	362.5	408.4
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	11	10.	9.573	12.8	6.9	4.122	2.03	6.96	7.9	11.7	12.68
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	10	6.	6.8	17.	2.	21.511	4.638	2.1	3.	9.	16.5
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	10	22.	25.35	53.	0.5	202.781	14.24	1.95	18.75	35.25	51.6
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	9	7.	7.078	7.8	6.5	0.214	0.463	6.5	6.6	7.5	7.8
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	9	7.	6.885	7.8	6.5	0.256	0.506	6.5	6.6	7.5	7.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	9	0.1	0.13	0.316	0.016	0.014	0.119	0.016	0.032	0.258	0.316
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	10	7.	19.7	140.	1.	1802.9	42.461	1.2	3.	11.25	127.5
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	10	5.5	7.2	22.	1.	38.844	6.233	1.1	2.75	10.5	21.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	10	0.75	12.6	118.	0.	1372.433	37.046	0.	0.	2.25	106.5
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	3.2	3.379	6.95	0.5	3.69	1.921	0.64	1.97	4.7	6.66
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	0.17	0.245	0.63	0.01	0.044	0.209	0.016	0.05	0.45	0.608
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	11	1.45	3.046	8.18	0.25	8.3	2.881	0.288	0.52	5.23	8.04
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	11	5.	6.148	19.3	2.2	22.475	4.741	2.32	3.23	7.5	16.94
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	11	1.7	1.712	2.93	0.5	0.668	0.817	0.52	1.1	2.6	2.864
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	6	0.735	0.72	1.35	0.17	0.263	0.513	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	8	6.2	8.875	21.2	4.8	33.496	5.788	**	**	**	**
00945	SULFATE, TOTAL (MGL AS SO4)	05/31/70-11/23/98	1	40.	40.	40.	40.	0.	0.	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	8 ##	50.	1068.75	8000.	50.	7846383.929	2801.14	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	8 ##	1.699	2.087	3.903	1.699	0.586	0.766	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	122.284							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	11	13.3	14.582	23.6	5.7	41.038	6.406	6.02	7.7	20.7	23.36
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	8	242.5	254.375	397.	123.	7784.268	88.228	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	11	9.3	9.473	11.7	6.7	3.45	1.857	6.82	7.5	11.6	11.68
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	11	10.	10.182	18.	3.	22.564	4.75	3.4	6.	14.	17.8
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	11	29.	26.682	39.	0.5	125.214	11.19	3.8	22.	35.	38.8
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	11	7.2	7.291	7.5	7.	0.037	0.192	7.02	7.1	7.5	7.5
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	11	7.2	7.253	7.5	7.	0.038	0.196	7.02	7.1	7.5	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	11	0.063	0.056	0.1	0.032	0.001	0.024	0.032	0.032	0.079	0.096
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	10	8.	43.6	348.	2.	11490.267	107.193	2.3	5.75	16.75	316.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	10	5.	16.5	100.	2.	917.389	30.288	2.1	3.75	13.	92.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	11	3.	137.636	1160.	0.5	123982.805	352.112	0.5	3.	10.	992.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	10	3.825	3.92	8.	1.12	4.354	2.087	1.146	2.07	5.113	7.745
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	10	0.155	0.164	0.32	0.01	0.014	0.116	0.012	0.053	0.288	0.319
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	10	0.665	0.766	1.76	0.26	0.205	0.452	0.267	0.443	0.963	1.708
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	10	5.25	5.55	8.4	2.8	5.214	2.283	2.84	3.275	7.925	8.36
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	10	1.	1.02	1.7	0.5	0.173	0.416	0.51	0.6	1.375	1.69
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	10	0.88	0.79	1.1	0.38	0.087	0.295	0.384	0.458	1.063	1.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	11	6.6	7.027	15.	1.7	12.998	3.605	2.18	4.8	9.	14.16
00945	SULFATE, TOTAL (MGL AS SO4)	05/31/70-11/23/98	10	29.	28.2	37.	13.	50.844	7.131	13.8	24.75	34.25	36.8
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	2 ##	1675.	1675.	3300.	50.	5281250.	2298.097	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	2 ##	2.609	2.609	3.519	1.699	1.655	1.287	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	406.202							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	6	19.8	17.667	24.7	7.8	43.747	6.614	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	2	390.	390.	408.	372.	648.	25.456	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	6	8.15	8.8	12.	7.2	3.868	1.967	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	6	7.5	9.	15.	5.	16.4	4.05	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	7	27.	28.571	43.	14.	119.952	10.952	**	**	**	**
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	4	7.15	6.175	7.4	3.	4.509	2.123	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	4	7.125	3.602	7.4	3.	13.336	3.652	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	4	0.075	250.047	1000.	0.04	249968.347	499.968	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	7	10.	11.286	17.	9.	7.238	2.69	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	7	6.	5.571	7.	4.	0.952	0.976	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	7	5.	5.714	11.	3.	7.238	2.69	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	5	8.2	8.12	10.8	4.7	5.327	2.308	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	5	0.12	0.168	0.42	0.02	0.025	0.157	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	5	0.49	0.762	1.93	0.41	0.429	0.655	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	5	11.	13.56	25.	8.5	46.643	6.83	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	5	0.9	0.98	1.5	0.7	0.097	0.311	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	5	0.77	0.8	1.25	0.57	0.071	0.267	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	7	8.9	8.429	10.1	5.6	2.346	1.532	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	6	33.5	35.	44.	30.	27.2	5.215	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	2	14.7	14.7	21.6	7.8	95.22	9.758	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	2	9.4	9.4	11.	7.8	5.12	2.263	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	2	5.	5.	6.	4.	2.	1.414	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	2	17.5	17.5	19.	16.	4.5	2.121	**	**	**	**
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	2	7.	7.	7.7	6.3	0.98	0.99	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	2	6.584	6.584	7.7	6.3	1.326	1.152	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	2	0.261	0.261	0.501	0.02	0.116	0.34	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	2	34.5	34.5	64.	5.	1740.5	41.719	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	2	7.	7.	11.	3.	32.	5.657	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	2	27.5	27.5	53.	2.	1300.5	36.062	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	2	3.415	3.415	6.5	0.33	19.034	4.363	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	2	0.05	0.05	0.07	0.03	0.001	0.028	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	2	1.275	1.275	1.45	1.1	0.061	0.247	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	2	4.25	4.25	7.7	0.8	23.805	4.879	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	2	0.75	0.75	1.2	0.3	0.405	0.636	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	2	0.44	0.44	0.82	0.06	0.289	0.537	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	2	6.7	6.7	11.1	2.3	38.72	6.223	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	2	26.	26.	39.	13.	338.	18.385	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	1	9200.	9200.	9200.	9200.	0.	0.	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	1	3.964	3.964	3.964	3.964	0.	0.	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		9200.							

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Annual Analysis for 1992 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	5	7.8	10.7	19.4	3.9	50.71	7.121	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	5	158.	159.	167.	153.	35.5	5.958	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	5	1.	1.6	3.	1.	0.8	0.894	**	**	**	**

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Annual Analysis for 1992 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00340	COD, 25N K2CR2O7 MG/L	10/22/74-11/23/98	5	13.	13.6	19.	8.	27.8	5.273	**	**	**	**
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	5	7.1	7.14	7.6	6.9	0.083	0.288	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	5	7.1	7.076	7.6	6.9	0.088	0.297	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	5	0.079	0.084	0.126	0.025	0.002	0.043	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	5	4.	3.8	5.	3.	0.7	0.837	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	5	1.	1.4	2.	1.	0.3	0.548	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	5	2.	2.4	3.	2.	0.3	0.548	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	5	0.53	0.44	0.62	0.02	0.06	0.245	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	5	0.01	0.012	0.02	0.005	0.	0.008	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	5	0.59	0.606	0.73	0.48	0.011	0.104	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	5	0.7	0.98	1.8	0.7	0.227	0.476	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	5	0.1	0.08	0.1	0.05	0.001	0.027	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	2	0.035	0.035	0.04	0.03	0.	0.007	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	5	4.6	4.12	5.6	1.8	2.047	1.431	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	3	20.	19.	20.	17.	3.	1.732	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	5	200.	529.6	1800.	68.	518660.8	720.181	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	5	2.301	2.449	3.255	1.833	0.278	0.527	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			281.338								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	3	0.05	0.07	0.11	0.05	0.001	0.035	**	**	**	**

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Annual Analysis for 1993 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	3	7.4	9.767	16.7	5.2	37.263	6.104	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	3	149.	140.	152.	119.	333.	18.248	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	4	1.5	1.75	3.	1.	0.917	0.957	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	10/22/74-11/23/98	4	11.	14.5	30.	6.	115.	10.724	**	**	**	**
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	3	7.4	7.367	7.7	7.	0.123	0.351	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	3	7.4	7.274	7.7	7.	0.136	0.369	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	3	0.04	0.053	0.1	0.02	0.002	0.042	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	10.	24.375	76.	1.5	1233.229	35.117	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	4	2.25	4.625	13.	1.	31.896	5.648	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	8.	20.125	63.	1.5	850.396	29.162	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.445	0.438	0.54	0.32	0.011	0.105	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.025	0.025	0.04	0.01	0.	0.013	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.755	0.755	0.93	0.58	0.026	0.163	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	4	0.95	0.95	1.3	0.6	0.123	0.351	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	4 ##	0.125	0.125	0.2	0.05	0.008	0.087	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	4	6.55	6.675	10.9	2.7	15.909	3.989	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	4	14.5	14.75	18.	12.	7.583	2.754	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	4	1800.	3125.	8000.	900.	10849166.667	3293.807	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	4	3.244	3.336	3.903	2.954	0.168	0.41	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			2170.055								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	4	0.07	0.073	0.11	0.04	0.001	0.038	**	**	**	**

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Annual Analysis for 1994 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	4	14.9	12.85	19.2	2.4	55.583	7.455	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	4	163.	174.5	225.	147.	1196.333	34.588	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	4	2.	1.7	2.3	0.5	0.66	0.812	**	**	**	**

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Annual Analysis for 1994 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	4	12.5	12.5	16.	9.	16.333	4.041	**	**	**	**
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	4	7.4	7.525	7.9	7.4	0.063	0.25	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	4	7.4	7.481	7.9	7.4	0.065	0.255	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	4	0.04	0.033	0.04	0.013	0.	0.014	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	5.	5.625	11.	1.5	16.229	4.029	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	4 ##	1.75	1.75	2.	1.5	0.083	0.289	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	4 ##	2.75	4.	9.	1.5	12.5	3.536	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.34	0.333	0.37	0.28	0.002	0.041	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.015	0.018	0.03	0.01	0.	0.01	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.9	0.81	1.03	0.41	0.08	0.283	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	4	0.6	0.575	0.6	0.5	0.002	0.05	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	4 ##	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	4	3.45	3.4	3.8	2.9	0.153	0.392	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	4	13.	12.75	14.	11.	2.25	1.5	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	4 ##	275.	375.	900.	50.	167500.	409.268	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	4 ##	2.199	2.263	2.954	1.699	0.435	0.659	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN = 183.142											
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	4	0.025	0.03	0.05	0.02	0.	0.014	**	**	**	**

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Annual Analysis for 1995 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	5	10.3	11.18	21.8	2.4	58.357	7.639	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	5	144.	148.2	165.	136.	136.7	11.692	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	5	1.3	1.38	2.	1.	0.137	0.37	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	5	6.	8.	16.	2.5	38.375	6.195	**	**	**	**
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	5	7.4	7.42	7.6	7.2	0.022	0.148	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	5	7.4	7.399	7.6	7.2	0.023	0.15	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	5	0.04	0.04	0.063	0.	0.025	0.014	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	5	3.	2.6	4.	1.5	1.175	1.084	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	5 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	5 ##	1.5	1.8	3.	1.5	0.45	0.671	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	5	0.27	0.28	0.35	0.24	0.002	0.046	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	5	0.01	0.013	0.02	0.005	0.	0.007	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	5	0.64	0.64	0.73	0.54	0.005	0.07	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	5	0.4	0.5	0.8	0.3	0.04	0.2	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	5 ##	0.05	0.09	0.2	0.05	0.004	0.065	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	5	3.5	3.86	6.1	2.2	2.343	1.531	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	5	15.	15.4	19.	14.	4.3	2.074	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	5	100.	390.	1200.	50.	238000.	487.852	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	5	2.	2.295	3.079	1.699	0.327	0.572	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN = 197.435											
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	5	0.03	0.04	0.06	0.03	0.	0.014	**	**	**	**

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Annual Analysis for 1996 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	4	10.95	11.225	21.1	1.9	64.623	8.039	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	4	142.	220.	470.	126.	27840.667	166.855	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	4	1.5	1.375	2.	0.5	0.563	0.75	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	4	12.	15.75	29.	10.	79.583	8.921	**	**	**	**

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Annual Analysis for 1996 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	3	6.8	6.9	7.2	6.7	0.07	0.265	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	3	6.8	6.853	7.2	6.7	0.073	0.271	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	08/06/68-11/23/98	3	0.158	0.14	0.2	0.063	0.005	0.07	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	7.5	7.75	9.	7.	0.917	0.957	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	4 ##	2.25	2.25	3.	1.5	0.75	0.866	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	5.5	5.5	7.	4.	1.667	1.291	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.235	0.265	0.41	0.18	0.011	0.107	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4 ##	0.008	0.015	0.04	0.005	0.	0.017	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.66	0.66	0.83	0.49	0.02	0.143	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	4	0.6	0.75	1.2	0.6	0.09	0.3	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	4 ##	0.075	0.1	0.2	0.05	0.005	0.071	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	3	3.5	4.467	6.5	3.4	3.103	1.762	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO ₄)	05/31/70-11/23/98	4	13.5	14.	18.	11.	10.	3.162	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	4	400.	362.5	600.	50.	58958.333	242.813	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	4	2.588	2.413	2.778	1.699	0.243	0.493	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =		259.002									
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	4	0.04	0.043	0.07	0.02	0.	0.021	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1997 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	4	9.	10.35	19.4	4.	49.663	7.047	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	4	133.5	134.25	144.	126.	54.917	7.411	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	4 ##	0.75	1.25	3.	0.5	1.417	1.19	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	4	7.	7.5	10.	6.	3.	1.732	**	**	**	**
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	4	7.15	7.175	7.4	7.	0.043	0.206	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	4	7.125	7.14	7.4	7.	0.044	0.21	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	08/06/68-11/23/98	4	0.075	0.072	0.1	0.04	0.001	0.032	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	5.	5.	5.	5.	0.	0.	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	4 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	4.	3.75	4.	3.	0.25	0.5	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.225	0.218	0.24	0.18	0.001	0.029	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.015	0.019	0.04	0.04	0.005	0.	0.015	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.9	0.825	0.95	0.55	0.034	0.186	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	4	0.5	0.475	0.5	0.4	0.002	0.05	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	4	0.1	0.087	0.1	0.05	0.001	0.025	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO ₄)	05/31/70-11/23/98	4	12.	12.	14.	10.	3.333	1.826	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	4 ##	50.	212.5	700.	50.	105625.	325.	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	4 ##	1.699	1.986	2.845	1.699	0.328	0.573	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =		96.717									
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	4	0.04	0.038	0.04	0.03	0.	0.005	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1998 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	4	11.25	12.675	22.2	6.	54.382	7.374	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	4	115.	114.75	126.	103.	112.25	10.595	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	4 ##	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	3	7.	7.5	13.	2.5	27.75	5.268	**	**	**	**
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	4	6.8	6.875	7.3	6.6	0.096	0.31	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	4	6.789	6.805	7.3	6.6	0.102	0.32	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

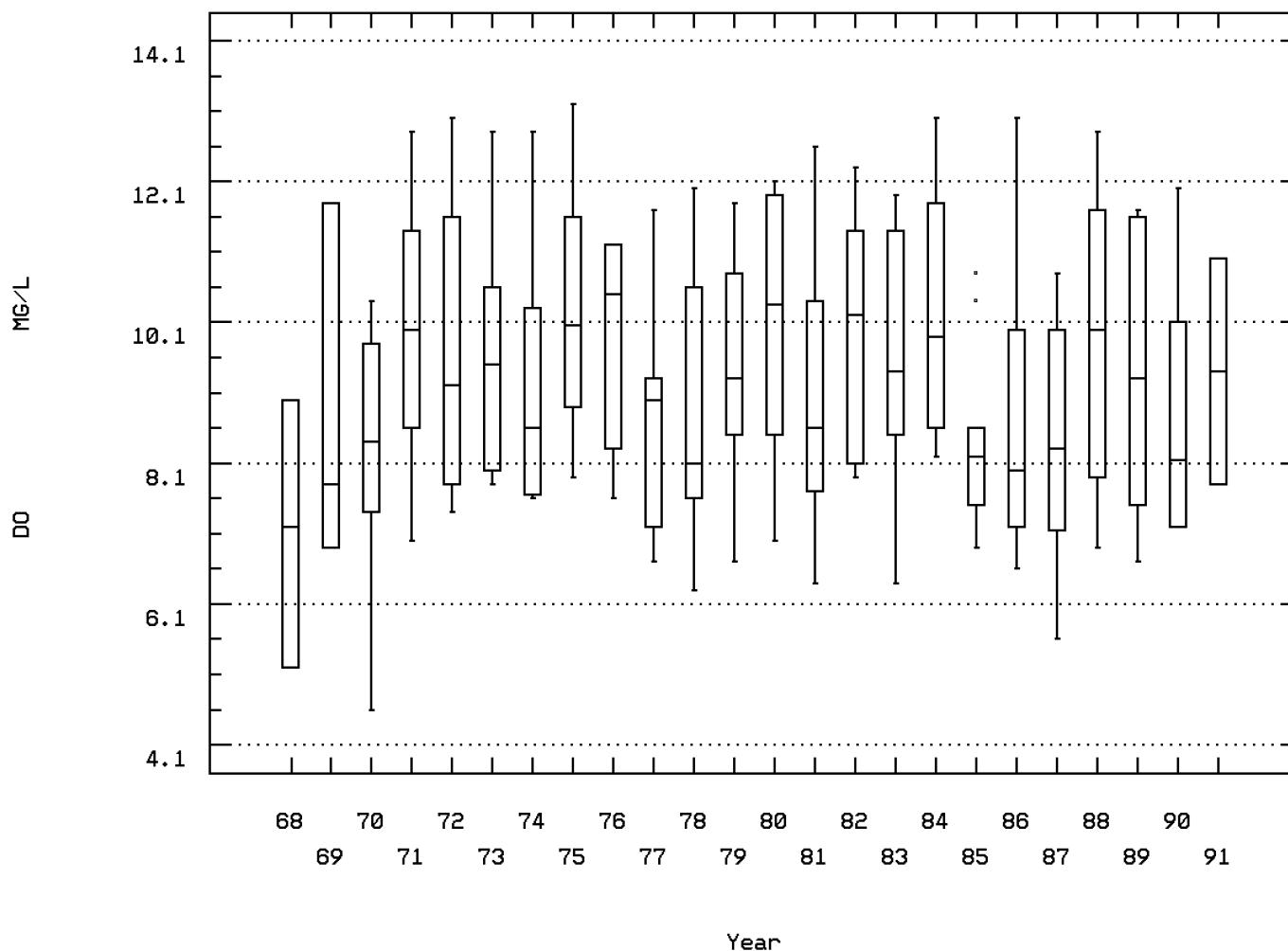
Annual Analysis for 1998 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	4	0.163	0.157	0.251	0.05	0.008	0.088	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	14.	16.	32.	4.	190.	13.784	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	4 ##	3.25	5.5	14.	1.5	34.833	5.902	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	4	10.5	10.125	18.	1.5	83.063	9.114	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.2	0.205	0.26	0.16	0.002	0.048	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4 ##	0.008	0.013	0.03	0.005	0.	0.012	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	4	0.63	0.502	0.73	0.02	0.106	0.326	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	4	0.55	0.6	0.8	0.5	0.02	0.141	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	4 ##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	4	13.5	13.5	16.	11.	5.667	2.38	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	4 ##	75.	2050.	8000.	50.	15735000.	3966.737	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	4 ##	1.849	2.325	3.903	1.699	1.127	1.061	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		211.474							
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	4	0.045	0.065	0.14	0.03	0.003	0.051	**	**	**	**

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Station: FRSP0022 Parameter Code: 00300

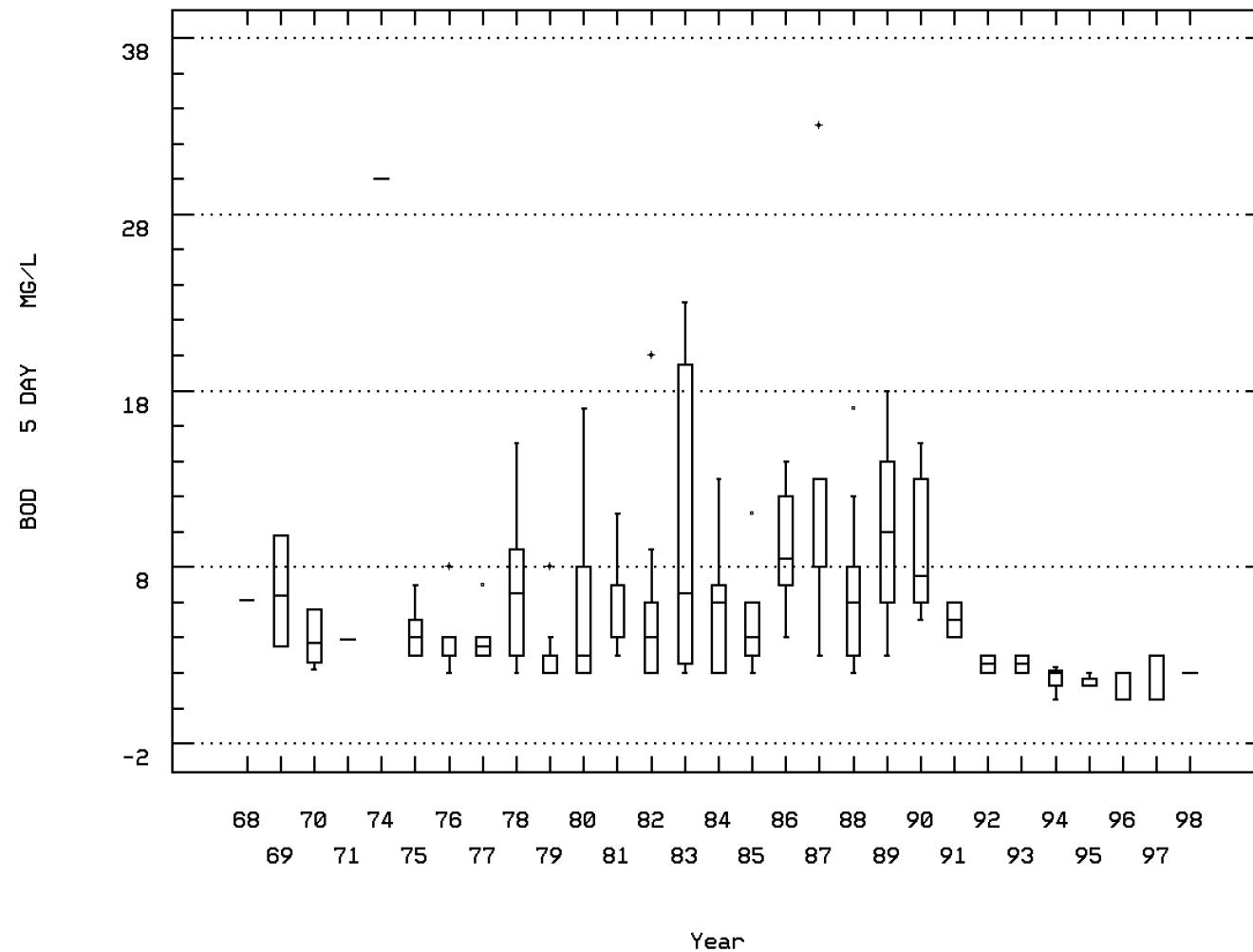
OXYGEN, DISSOLVED



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00310

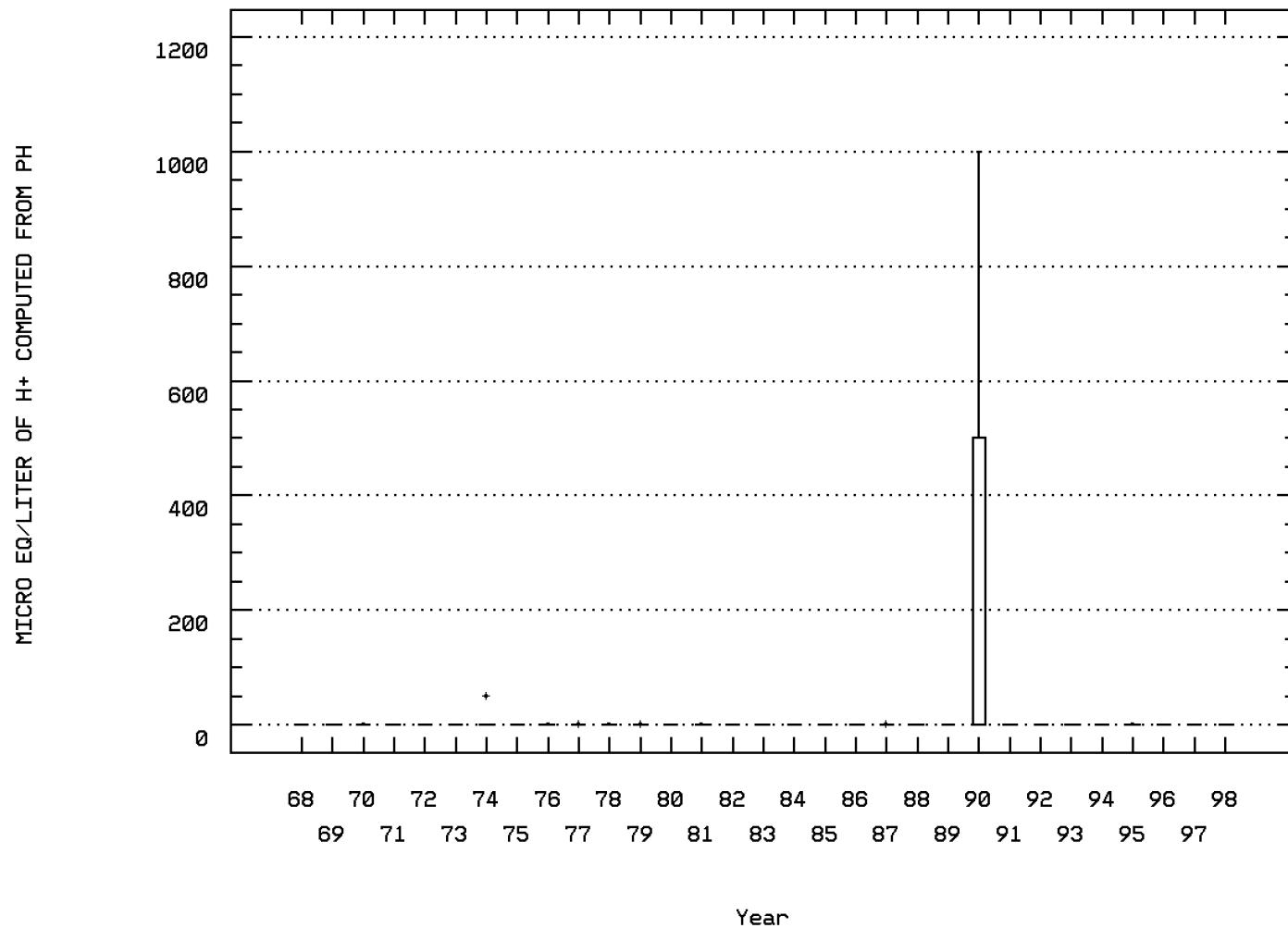
BOD, 5 DAY, 20 DEG C



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00400

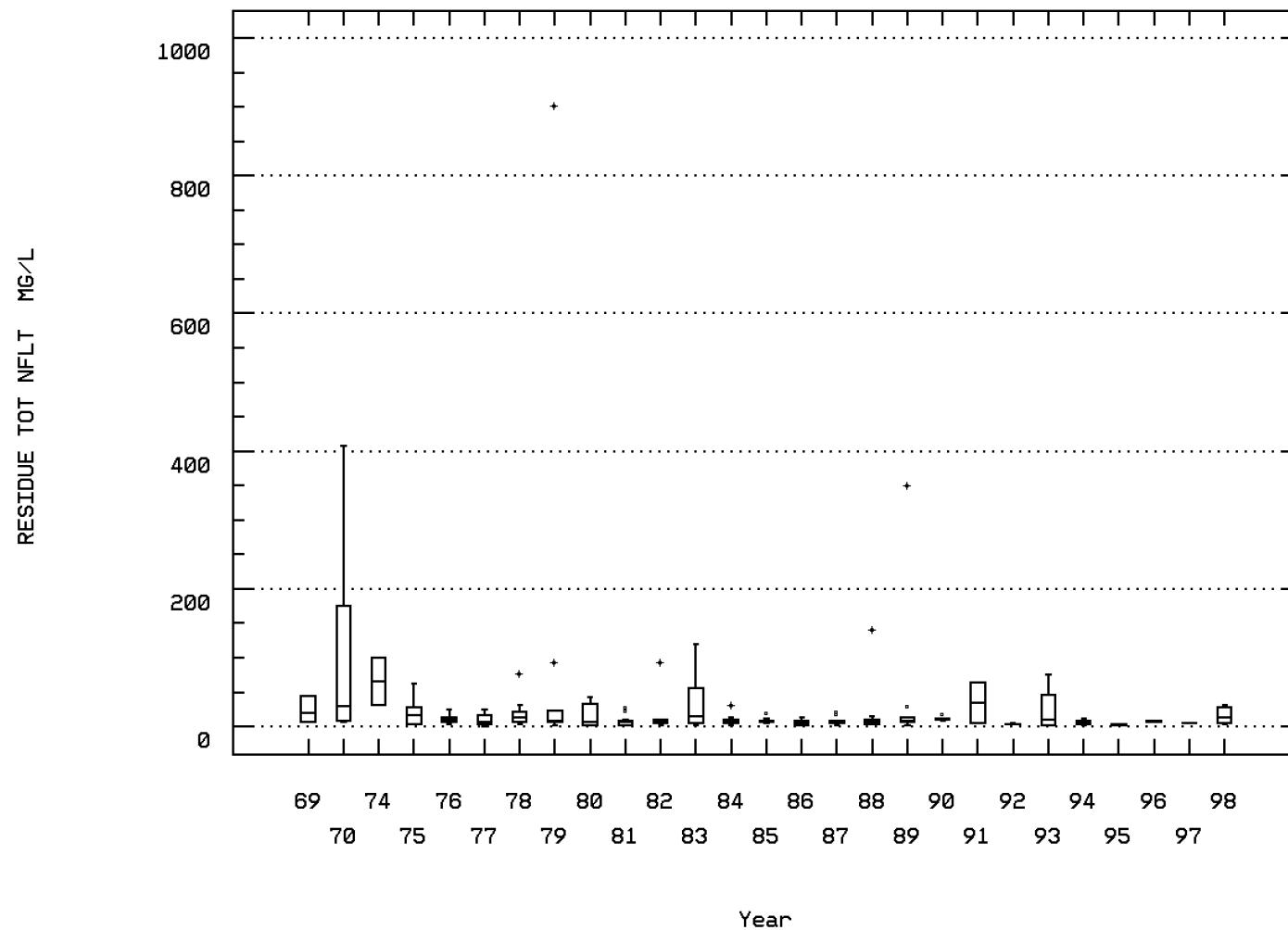
MICRO EQ/LITER OF H⁺ COMPUTED FROM PH



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00530

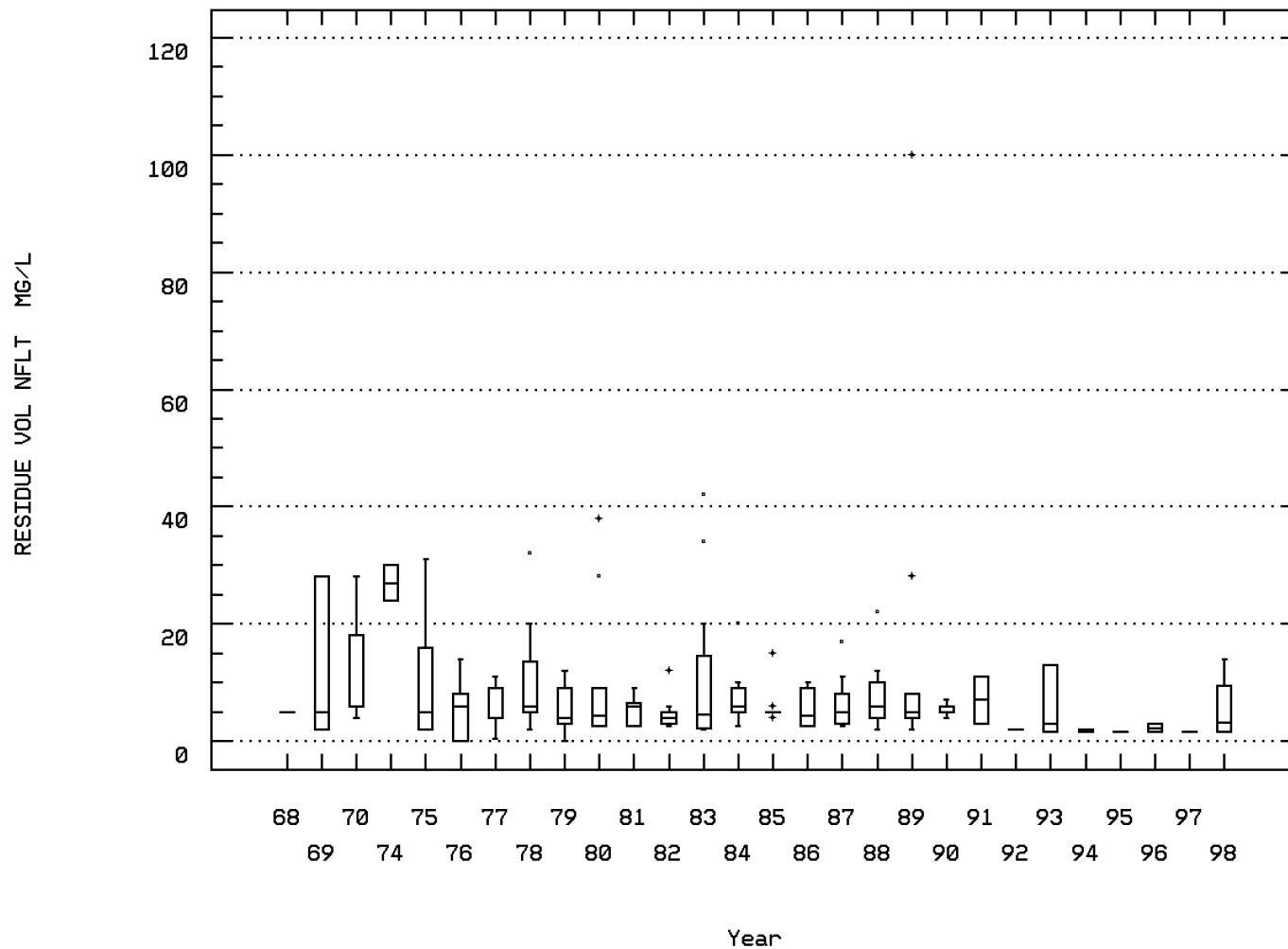
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00535

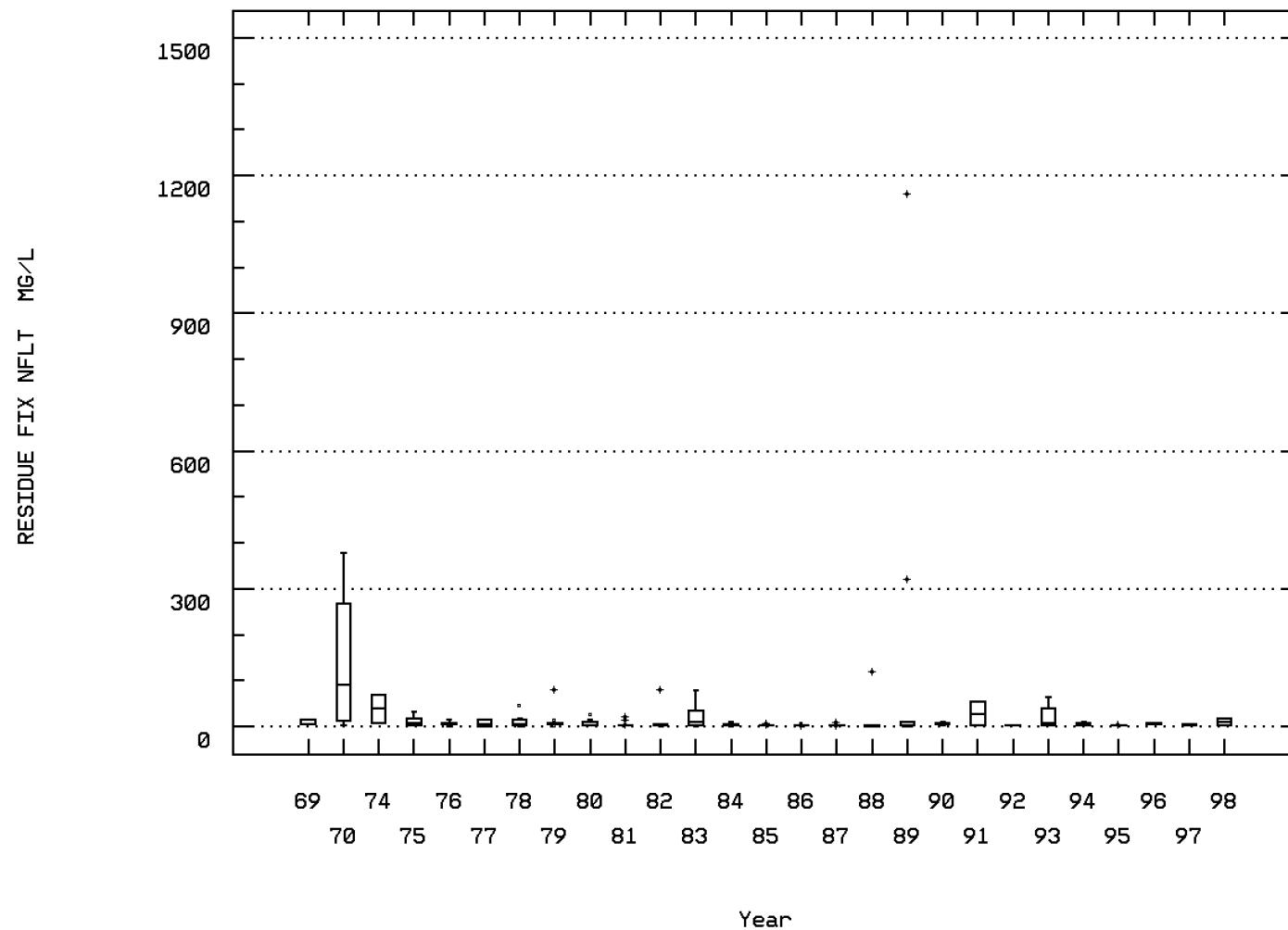
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00540

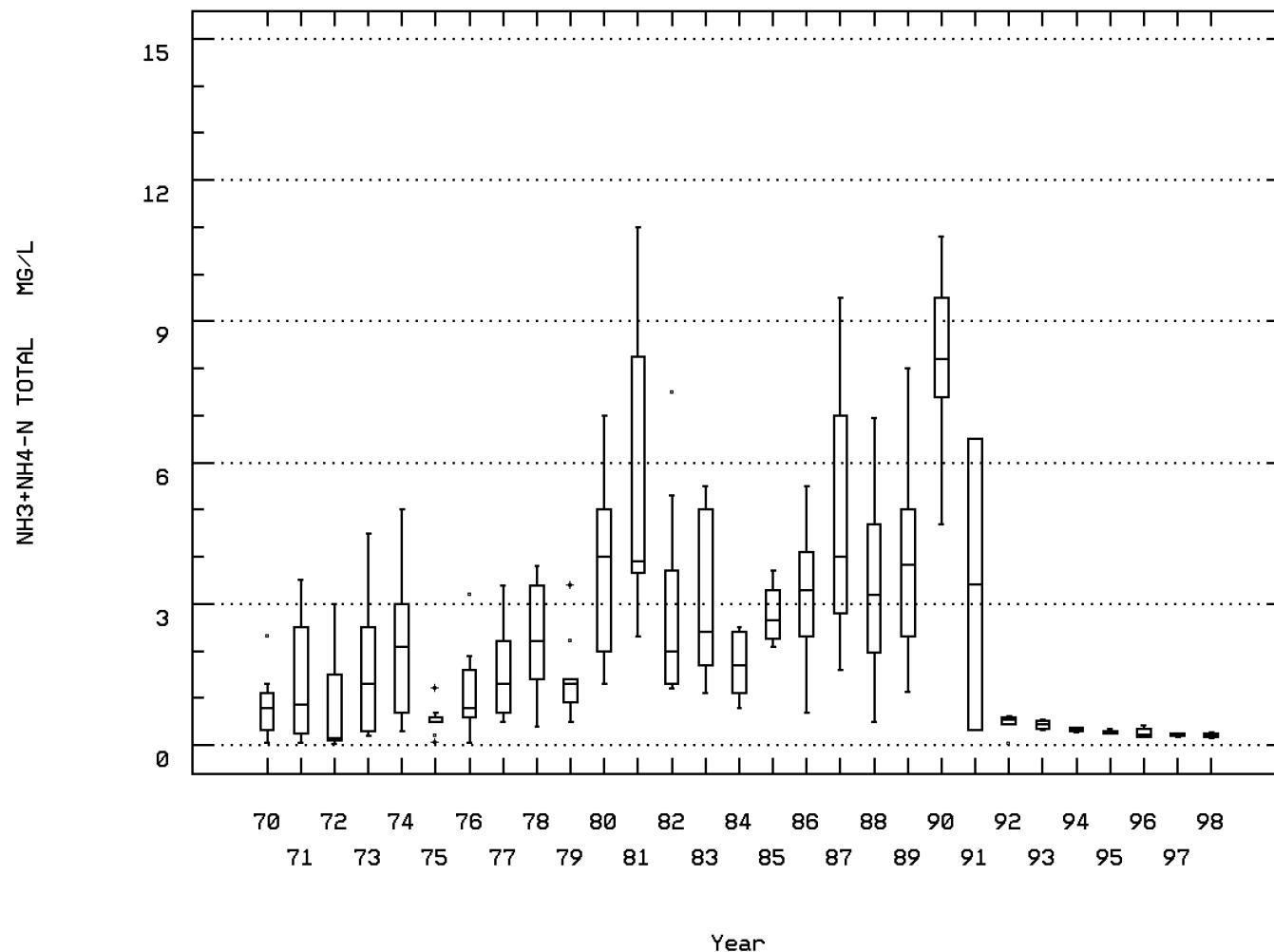
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00610

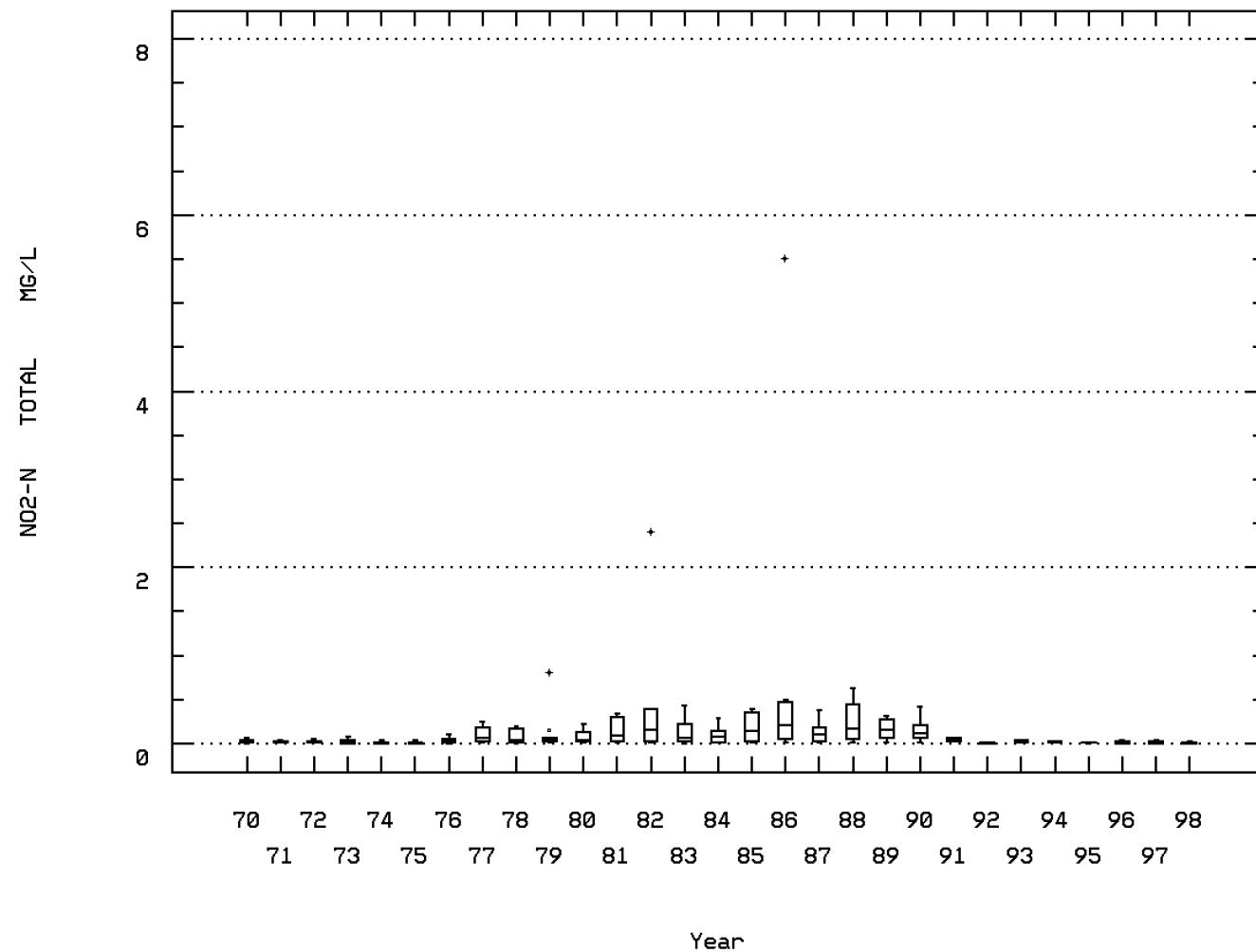
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00615

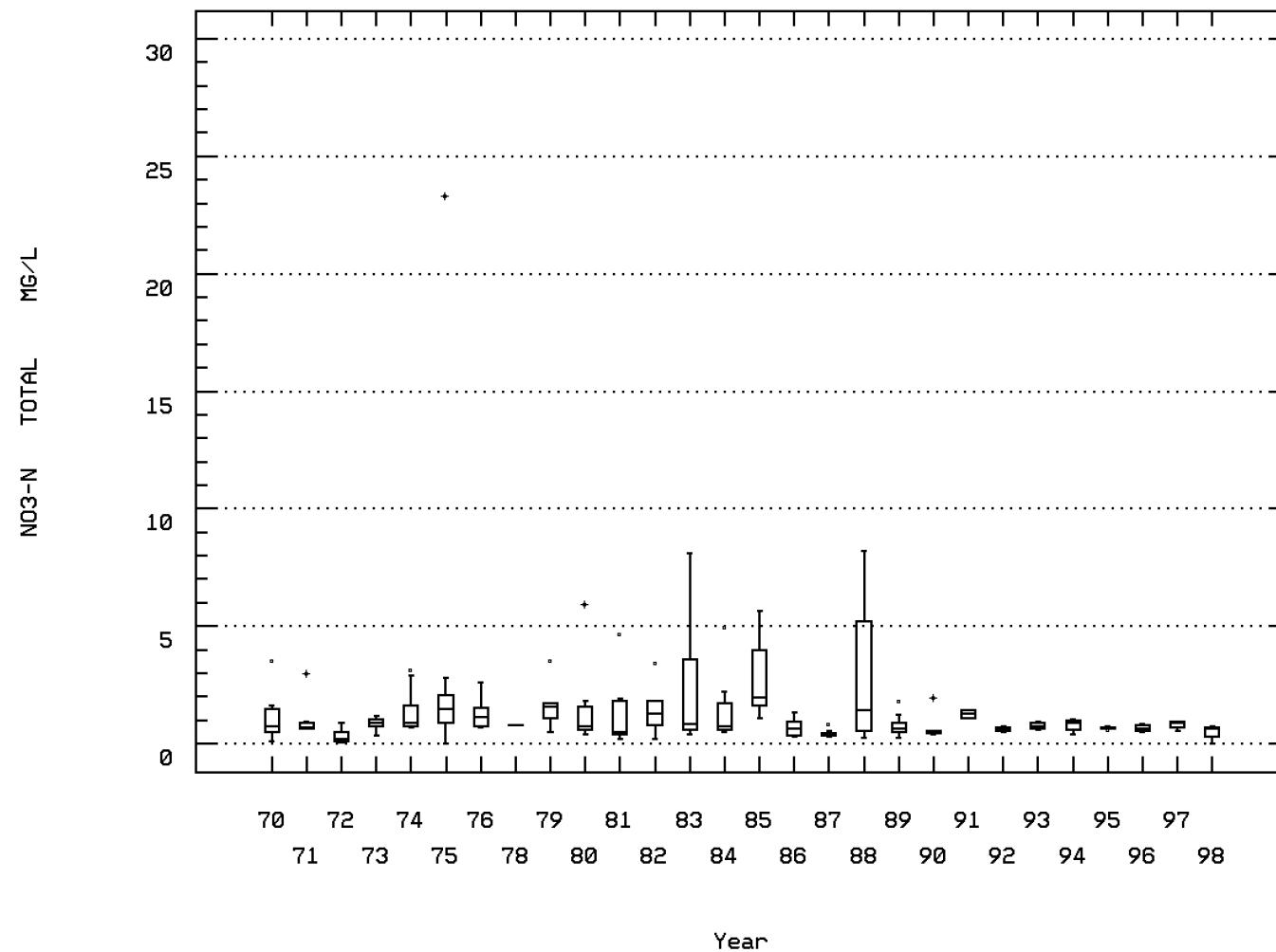
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00620

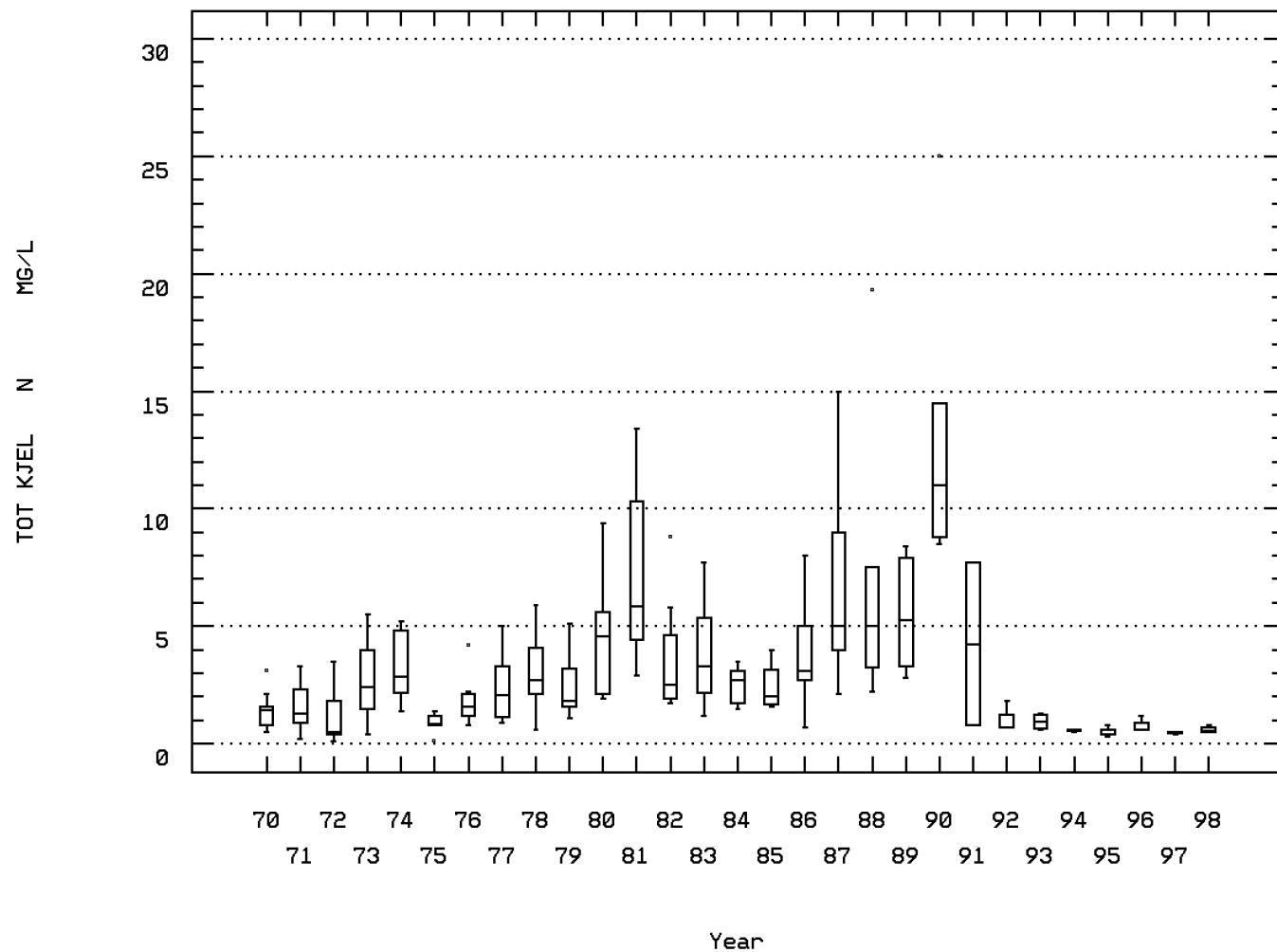
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00625

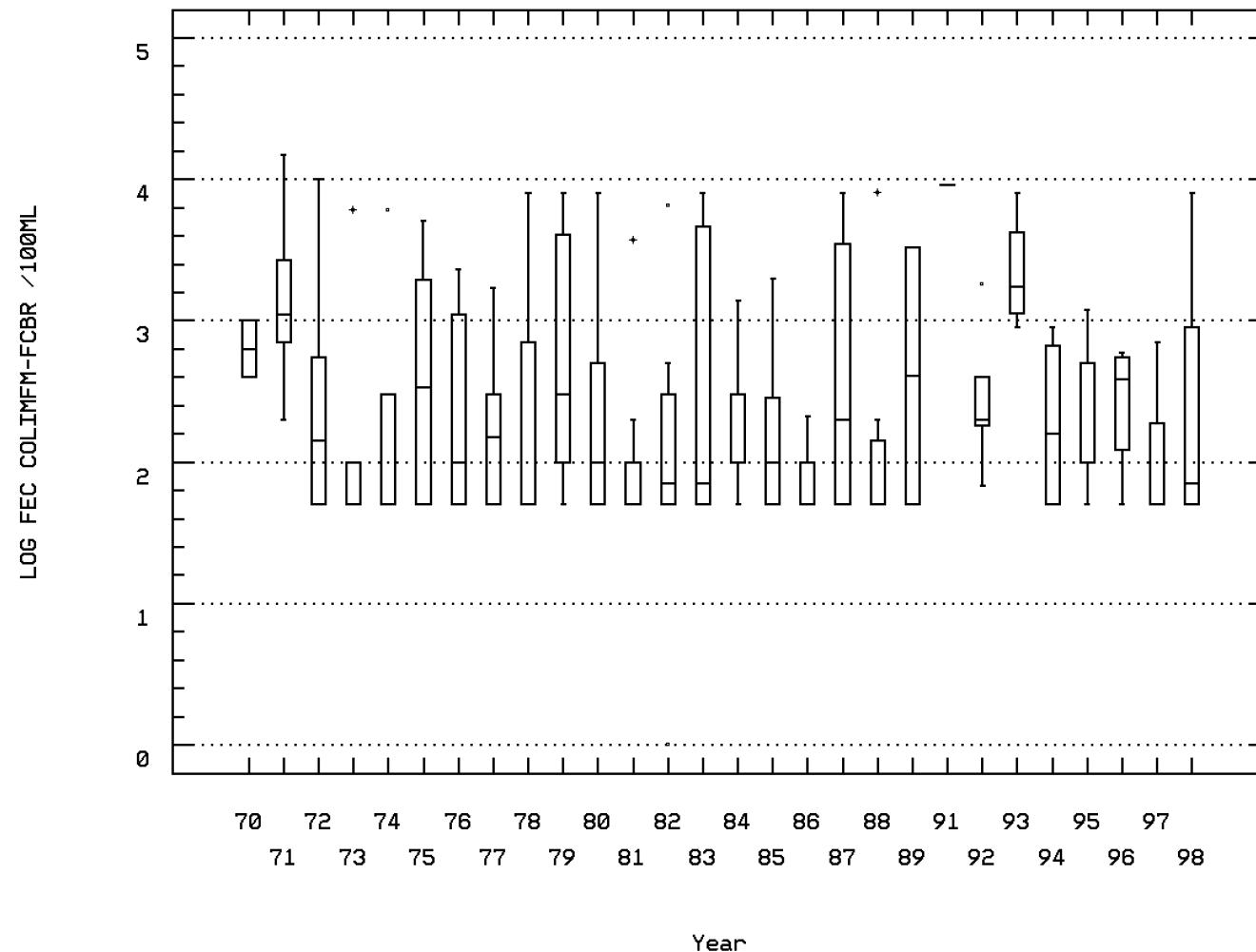
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 31616

LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



RT. 3 BRIDGE

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	78	22.	21.39	26.7	2.5	13.862	3.723	16.7	19.775	23.9	25.6
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/25/71-03/17/92	10	7.85	10.	34.	3.5	82.098	9.061	3.55	4.3	10.425	32.1
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	41	317.	298.268	487.	103.	11204.251	105.85	144.	192.	390.	409.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/79-11/23/98	13	150.	192.077	398.	113.	6911.577	83.136	123.8	141.5	254.	354.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/30/92-11/23/98	7	8.	8.229	9.4	7.4	0.426	0.652	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	72	7.7	7.701	9.8	5.2	0.706	0.84	6.7	7.2	8.275	8.74
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	60	6.	6.62	22.	0.5	23.372	4.835	1.	3.	9.	13.
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	47	21.	21.596	84.	0.5	176.496	13.285	7.	13.	26.	34.2
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	80	7.1	7.086	8.7	6.3	0.14	0.374	6.51	6.825	7.375	7.5
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	80	7.1	6.944	8.7	6.3	0.161	0.401	6.51	6.825	7.375	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	80	0.079	0.114	0.501	0.002	0.009	0.096	0.032	0.042	0.15	0.31
00403p	PH, LAB, STANDARD UNITS SU	10/08/68-11/23/98	29	7.2	7.141	8.	6.3	0.177	0.42	6.5	6.85	7.4	7.7
00403p	CONVERTED PH, LAB, STANDARD UNITS	10/08/68-11/23/98	29	7.2	6.946	8.	6.3	0.216	0.465	6.5	6.85	7.4	7.7
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/68-11/23/98	29	0.063	0.113	0.501	0.01	0.014	0.12	0.02	0.04	0.142	0.316
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	10/08/68-11/23/98	29	54.	55.552	136.	13.	1052.47	32.442	20.	25.	81.	100.
00500p	RESIDUE, TOTAL (MG/L)	10/08/68-11/23/98	22	132.	147.773	238.	83.	1987.232	44.578	103.3	113.	184.5	218.7
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/23/98	22	30.	37.364	126.	6.	723.671	26.901	17.9	22.5	38.75	85.6
00510p	RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/23/98	22	96.5	127.455	400.	20.	6030.736	77.658	65.3	83.5	163.75	211.1
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	58	6.5	26.397	900.	1.	13809.287	117.513	2.5	4.	13.25	25.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	59	5.	5.593	38.	0.	31.185	5.584	1.5	2.5	6.	9.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	55	2.5	6.109	56.	0.	113.821	10.669	0.	1.	6.	15.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	74	1.45	2.26	10.8	0.02	5.606	2.368	0.18	0.5	3.325	5.25
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	74	0.11	0.261	5.5	0.005	0.474	0.688	0.01	0.03	0.283	0.44
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	67	0.68	1.432	8.18	0.08	3.558	1.886	0.29	0.49	1.189	4.58
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	74	2.3	3.471	25.	0.1	14.961	3.868	0.6	1.	4.125	8.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	43	2.1	2.396	7.5	0.05	3.72	1.929	0.1	0.8	3.8	5.44
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	31	2.5	2.732	6.75	0.06	3.12	1.766	0.628	1.1	3.8	5.7
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	54	9.	9.689	68.	2.3	75.993	8.717	3.45	6.75	10.325	14.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/87-11/23/98	23	56.	53.391	85.	34.	159.34	12.623	36.	42.	62.	66.8
00940	CHLORIDE, TOTAL IN WATER MG/L	10/22/74-11/23/98	16	20.	23.	46.	10.	94.133	9.702	13.5	16.	28.75	39.7
00945p	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	43	18.	21.744	53.	4.	161.147	12.694	8.8	13.	33.	41.6
01002	ARSENIC, TOTAL (UG/L AS AS)	03/18/71-09/15/94	10##	1.5	2.25	5.	0.5	4.069	2.017	0.5	0.5	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-09/15/94	11##	1.5	2.409	5.	0.5	4.591	2.143	0.5	0.5	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-09/15/94	12##	5.	5.667	25.	0.5	49.242	7.017	0.5	0.5	8.75	20.5
01042	COPPER, TOTAL (UG/L AS CU)	04/13/70-09/15/94	12##	10.	16.667	50.	5.	210.606	14.512	5.	5.	28.75	44.
01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-09/15/94	12	5.	6.125	20.	2.5	21.551	4.642	2.95	4.	5.75	16.7
01067	NICKEL, TOTAL (UG/L AS NI)	10/29/79-09/15/94	9##	10.	16.111	50.	5.	248.611	15.767	5.	5.	27.5	50.
01092	ZINC, TOTAL (UG/L AS ZN)	04/13/70-09/15/94	12	35.	41.75	90.	5.	734.023	27.093	9.5	20.25	67.5	87.
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/06/68-07/25/77	11	11000.	16257.273	43000.	430.	314023181.818	17720.699	494.	750.	43000.	43000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/06/68-07/25/77	11	4.041	3.822	4.633	2.633	0.543	0.737	2.682	2.875	4.633	4.633
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)				6635.53								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	63	200.	1298.571	9200.	50.	6111809.217	2472.207	50.	50.	1200.	7200.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-11/23/98	63	2.301	2.445	3.964	1.699	0.571	0.756	1.699	1.699	3.079	3.853
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				278.5								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/08/72-04/18/88	22	0.5	0.509	1.5	0.	0.128	0.357	0.13	0.2	0.7	1.
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	30	0.9	1.242	3.4	0.05	1.211	1.1	0.05	0.275	2.	3.24
70507p	PHOSPHORUS,IN TOTAL,ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	38	0.425	0.915	3.399	0.005	1.186	1.089	0.02	0.055	1.624	3.03
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-09/15/94	13##	0.15	0.208	0.5	0.15	0.01	0.1	0.15	0.15	0.25	0.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	112	7.8	8.475	19.	0.4	17.888	4.229	3.23	5.5	11.65	15.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/25/71-03/17/92	11	7.6	19.355	70.	4.5	577.467	24.031	4.52	4.9	30.	68.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	61	197.	220.721	470.	4.	8691.904	93.23	123.6	150.5	277.	372.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/79-11/23/98	19	143.	182.316	461.	108.	8742.673	93.502	114.	134.	196.	346.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/30/92-11/23/98	15	11.5	11.627	13.4	9.6	1.241	1.114	9.72	11.	12.3	13.34
00300	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	97	11.1	10.805	13.2	4.6	2.244	1.498	9.	10.	11.8	12.64
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	91	3.	4.987	30.	0.5	22.975	4.793	2.	2.	6.	10.8
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	67	18.	21.985	153.	0.	500.492	22.372	7.8	12.	22.	35.6
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	108	7.	6.996	8.5	6.	0.17	0.412	6.5	6.7	7.3	7.5
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	108	7.	6.809	8.5	6.	0.205	0.453	6.5	6.7	7.3	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	108	0.1	0.155	1.	0.003	0.03	0.173	0.032	0.05	0.2	0.316
00403p	PH, LAB, STANDARD UNITS SU	10/08/68-11/23/98	32	6.8	6.875	7.7	6.	0.169	0.411	6.4	6.6	7.2	7.47
00403p	CONVERTED PH, LAB, STANDARD UNITS	10/08/68-11/23/98	32	6.8	6.694	7.7	6.	0.203	0.45	6.4	6.6	7.2	7.47
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/68-11/23/98	32	0.158	0.202	1.	0.02	0.042	0.204	0.034	0.063	0.251	0.398
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	10/08/68-11/23/98	32	21.	29.781	91.	7.	398.305	19.958	13.	16.	41.75	63.6
00500p	RESIDUE, TOTAL (MG/L)	10/08/68-11/23/98	31	134.	217.581	1447.	87.	68215.852	261.182	90.	102.	209.	488.4
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/23/98	31	40.	48.323	153.	10.	1165.159	34.134	16.8	27.	58.	112.
00510p	RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/23/98	31	90.	169.258	1294.	45.	55027.998	234.58	60.6	69.	148.	405.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	91	7.	19.615	348.	0.5	2034.706	45.108	2.5	4.	15.	30.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	91	3.	7.132	100.	0.	148.166	12.172	1.5	2.	8.	14.8
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	92	3.5	26.315	1160.	0.	15877.378	126.005	1.	2.	8.75	17.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	110	1.2	1.86	9.	0.05	3.394	1.842	0.231	0.5	2.7	4.195
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	110	0.02	0.043	0.33	0.005	0.004	0.061	0.005	0.01	0.043	0.109
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	94	0.87	1.43	23.29	0.02	6.093	2.468	0.375	0.627	1.625	2.32
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	107	2.	2.792	19.3	0.2	8.264	2.875	0.5	1.	3.2	6.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	64	1.2	1.323	4.5	0.05	1.508	1.228	0.05	0.263	1.675	3.85
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	50	1.2	1.507	4.5	0.03	1.382	1.176	0.384	0.795	1.8	3.86
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	77	8.	9.295	48.	1.8	43.353	6.584	3.76	5.7	11.	14.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/87-11/23/98	29	42.	42.31	68.	28.	98.793	9.939	31.	34.	49.	54.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/22/74-11/23/98	25	15.	74.36	1300.	6.	65701.99	256.324	10.	13.	28.5	73.6
00945p	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	59	17.	18.542	40.	1.	67.218	8.199	11.	14.	22.	31.
01002	ARSENIC, TOTAL (UG/L AS AS)	03/18/71-09/15/94	8##	1.25	1.875	5.	0.5	2.125	1.458	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-09/15/94	10##	5.	4.65	5.	1.5	1.225	1.107	1.85	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-09/15/94	12##	5.	7.5	25.	5.	34.091	5.839	5.	5.	8.75	20.5
01042	COPPER, TOTAL (UG/L AS CU)	04/13/70-09/15/94	12##	5.	7.917	25.	5.	47.538	6.895	5.	5.	23.5	23.5
01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-09/15/94	13##	5.	6.885	22.	1.	28.84	5.37	1.2	5.	10.	17.2
01067	NICKEL, TOTAL (UG/L AS NI)	10/29/79-09/15/94	3##	25.	46.667	110.	5.	3108.333	55.752	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/13/70-09/15/94	12	27.	26.583	60.	5.	342.811	18.515	5.	6.25	40.	57.
31505	COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)	08/06/68-07/25/77	4	17500.	20075.	43000.	2300.	313089166.667	17694.326	**	**	**	**
31505	LOG COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)	08/06/68-07/25/77	4	4.211	4.104	4.633	3.362	0.304	0.551	**	**	**	**
31505	GM COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)				12711.595								
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	100	100.	835.61	8000.	0.	3215787.735	1793.262	50.	50.	600.	2660.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	100	2.	2.255	3.903	0.	0.527	0.726	1.699	1.699	2.778	3.424
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				179.747								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/08/72-04/18/88	26	0.1	0.154	0.6	0.	0.034	0.184	0.	0.	0.225	0.5
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	44	0.4	0.734	4.3	0.05	0.848	0.921	0.05	0.3	0.8	1.85
70507p	PHOSPHORUS, IN TOTAL, ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	58	0.25	0.44	3.5	0.01	0.407	0.638	0.02	0.03	0.603	1.109
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-09/15/94	12##	0.25	0.242	0.55	0.15	0.012	0.108	0.15	0.15	0.25	0.46

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-11/23/98	70	16.7	15.959	26.	4.	22.829	4.778	9.1	12.85	19.5	22.
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/25/71-03/17/92	8	11.3	12.425	23.	5.	39.776	6.307	**	**		
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-11/23/98	35	244.	234.029	487.	107.	7778.911	88.198	123.2	166.	292.	363.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/23/79-11/23/98	9	132.	173.111	329.	102.	7936.861	89.089	102.	120.	239.5	329.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/30/92-11/23/98	7	9.8	9.8	11.7	8.3	1.317	1.147	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/06/68-08/15/91	65	8.8	9.077	11.6	6.4	1.386	1.177	7.8	8.2	10.	10.84

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

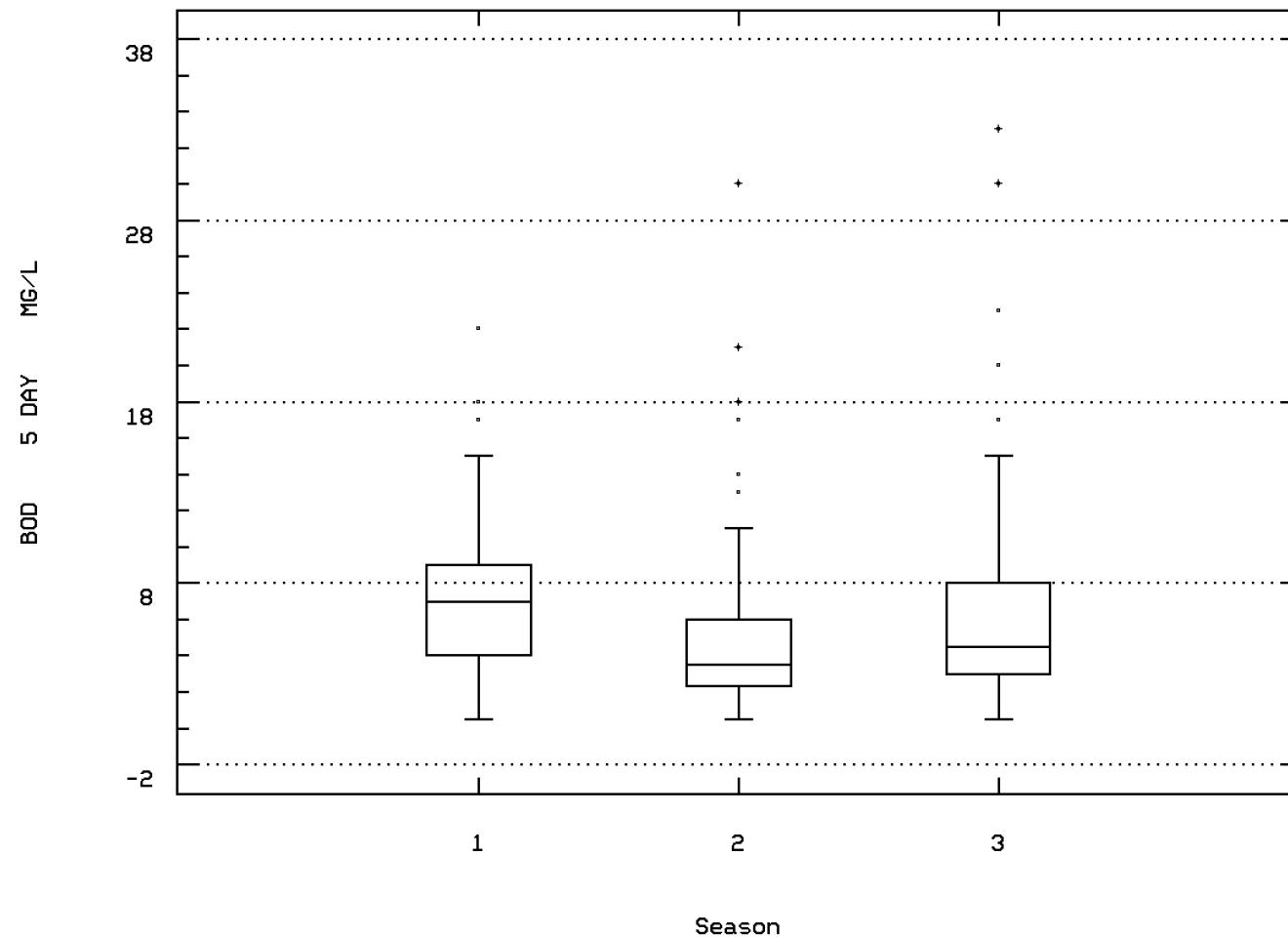
Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0022

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00310p	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-11/23/98	54	4.	6.53	33.	0.5	47.727	6.908	1.15	2.	8.	16.
00340	COD, .25N K2CR2O7 MG/L	10/22/74-11/23/98	37	20.	22.365	139.	0.5	475.62	21.809	8.6	13.	24.	31.8
00400p	PH (STANDARD UNITS)	08/06/68-11/23/98	70	7.	6.9	7.7	3.	0.466	0.682	6.5	6.675	7.3	7.5
00400p	CONVERTED PH (STANDARD UNITS)	08/06/68-11/23/98	70	7.	4.82	7.7	3.	4.856	2.204	6.5	6.675	7.3	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-11/23/98	70	0.1	15.146	1000.	0.02	14296.465	119.568	0.032	0.05	0.212	0.316
00403p	PH, LAB, STANDARD UNITS SU	10/08/68-11/23/98	25	7.	6.956	7.4	6.4	0.088	0.296	6.52	6.75	7.2	7.34
00403p	CONVERTED PH, LAB, STANDARD UNITS	10/08/68-11/23/98	25	7.	6.857	7.4	6.4	0.098	0.313	6.52	6.75	7.2	7.34
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/68-11/23/98	25	0.1	0.139	0.398	0.04	0.01	0.102	0.046	0.063	0.179	0.31
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	10/08/68-11/23/98	24	34.	38.917	78.	14.	519.21	22.786	14.5	18.	54.	77.5
00500p	RESIDUE, TOTAL (MG/L)	10/08/68-11/23/98	19	131.	159.263	576.	51.	12149.316	110.224	82.	103.	190.	215.
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/23/98	19	34.	44.632	111.	17.	868.801	29.475	18.	27.	43.	103.
00510p	RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/23/98	19	98.	114.632	492.	17.	9836.468	99.179	20.	72.	128.	155.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	02/27/69-11/23/98	55	9.	24.718	407.	1.5	3201.877	56.585	5.	6.	19.	68.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/23/98	55	6.	8.827	34.	0.	69.919	8.362	2.	4.	10.	25.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	02/27/69-11/23/98	55	4.	16.1	379.	0.	2730.235	52.252	0.6	2.	8.	36.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-11/23/98	64	2.4	2.902	11.	0.05	6.066	2.463	0.35	1.124	3.799	5.5
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	64	0.03	0.09	0.8	0.005	0.017	0.131	0.005	0.02	0.125	0.27
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-11/23/98	56	0.68	0.881	4.	0.005	0.56	0.749	0.325	0.528	0.895	1.778
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/13/70-11/23/98	62	3.15	3.754	13.4	0.1	8.548	2.924	0.63	1.475	5.	7.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/27/78-11/23/98	35	1.	1.668	5.5	0.05	2.447	1.564	0.08	0.4	3.1	4.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/27/78-03/17/92	30	1.45	2.015	5.4	0.17	2.498	1.581	0.312	0.793	3.025	4.715
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/22/74-07/01/96	48	8.	10.029	35.	1.7	37.857	6.153	3.86	7.	11.75	17.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/87-11/23/98	14	40.	40.357	58.	20.	132.093	11.493	23.5	30.75	50.5	56.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/22/74-11/23/98	10	16.	17.3	29.	9.	40.9	6.395	9.2	13.25	21.	28.8
00945p	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-11/23/98	29	18.	19.138	34.	8.	46.409	6.812	11.	14.5	23.5	30.
01002	ARSENIC, TOTAL (UG/L AS AS)	03/18/71-09/15/94	5 ##	2.5	1.8	2.5	0.5	0.95	0.975	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-09/15/94	6 ##	5.	6.167	10.	5.	4.167	2.041	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	04/13/70-09/15/94	10 ##	5.	9.	20.	5.	37.778	6.146	5.	5.	12.5	20.
01042	COPPER, TOTAL (UG/L AS CU)	04/13/70-09/15/94	10 ##	5.	11.	40.	5.	126.667	11.255	5.	5.	12.5	38.
01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-09/15/94	7 ##	5.	3.429	5.	0.5	4.036	2.009	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	04/13/70-09/15/94	10	20.	18.	40.	5.	162.222	12.737	5.	5.	30.	39.
31505	COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)	08/06/68-07/25/77	5	11000.	23646.	93000.	930.	1525372080.	39056.012	**	**	**	**
31505	LOG COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 3150)	08/06/68-07/25/77	5	4.041	3.876	4.968	2.968	0.584	0.764	**	**	**	**
31505	GM COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)				7521.35								
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	54	100.	1441.296	15000.	50.	9384373.76	3063.393	50.	50.	625.	7000.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-11/23/98	54	2.	2.326	4.176	1.699	0.661	0.813	1.699	1.699	2.774	3.841
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				212.049								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/08/72-04/18/88	25	0.3	3.656	80.	0.	253.108	15.909	0.	0.3	0.85	1.3
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-08/23/79	27	0.7	0.794	2.	0.05	0.311	0.558	0.17	0.4	1.3	1.7
70507p	PHOSPHORUS, IN TOTAL, ORTHOPHOSPHATE (MG/L AS P)	02/03/70-11/23/98	34	0.44	0.553	1.6	0.02	0.267	0.517	0.04	0.088	0.925	1.499
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-09/15/94	7 ##	0.25	0.343	1.	0.15	0.085	0.292	**	**	**	**

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Station: FRSP0022 Parameter Code: 00310

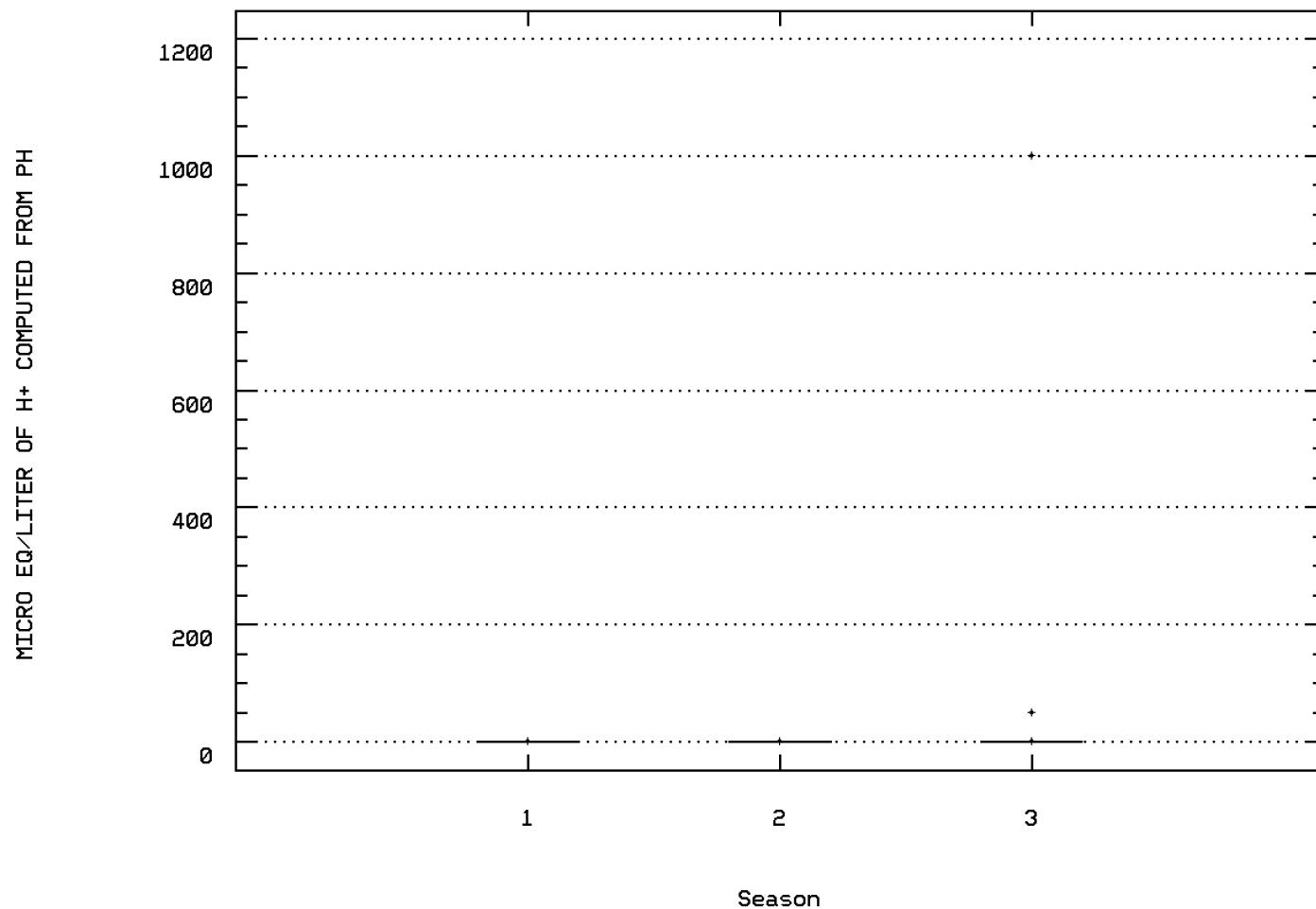
BOD, 5 DAY, 20 DEG C



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00400

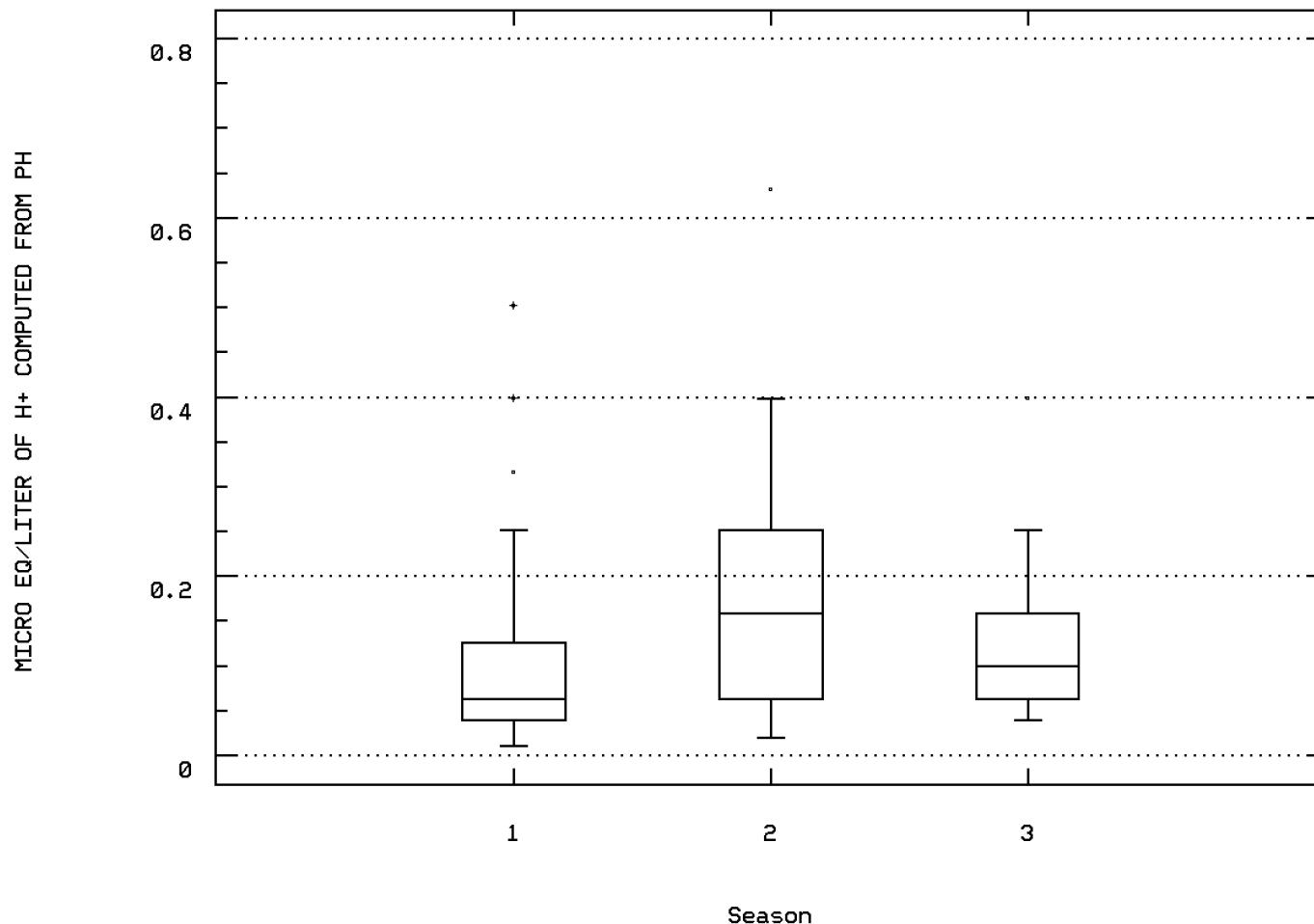
MICRO EQ/LITER OF H⁺ COMPUTED FROM PH



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00403

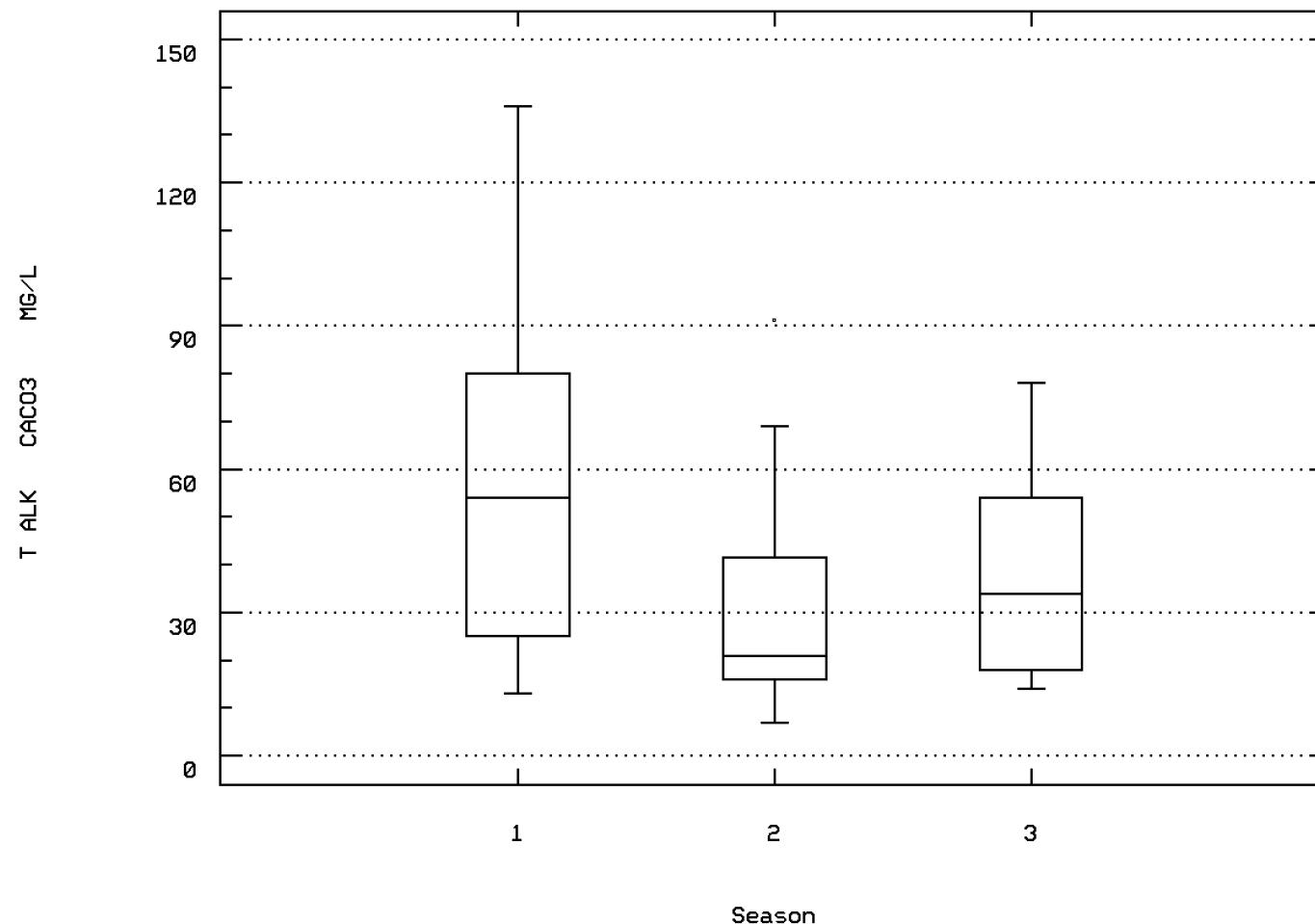
MICRO EQ/LITER OF H⁺ COMPUTED FROM PH



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00410

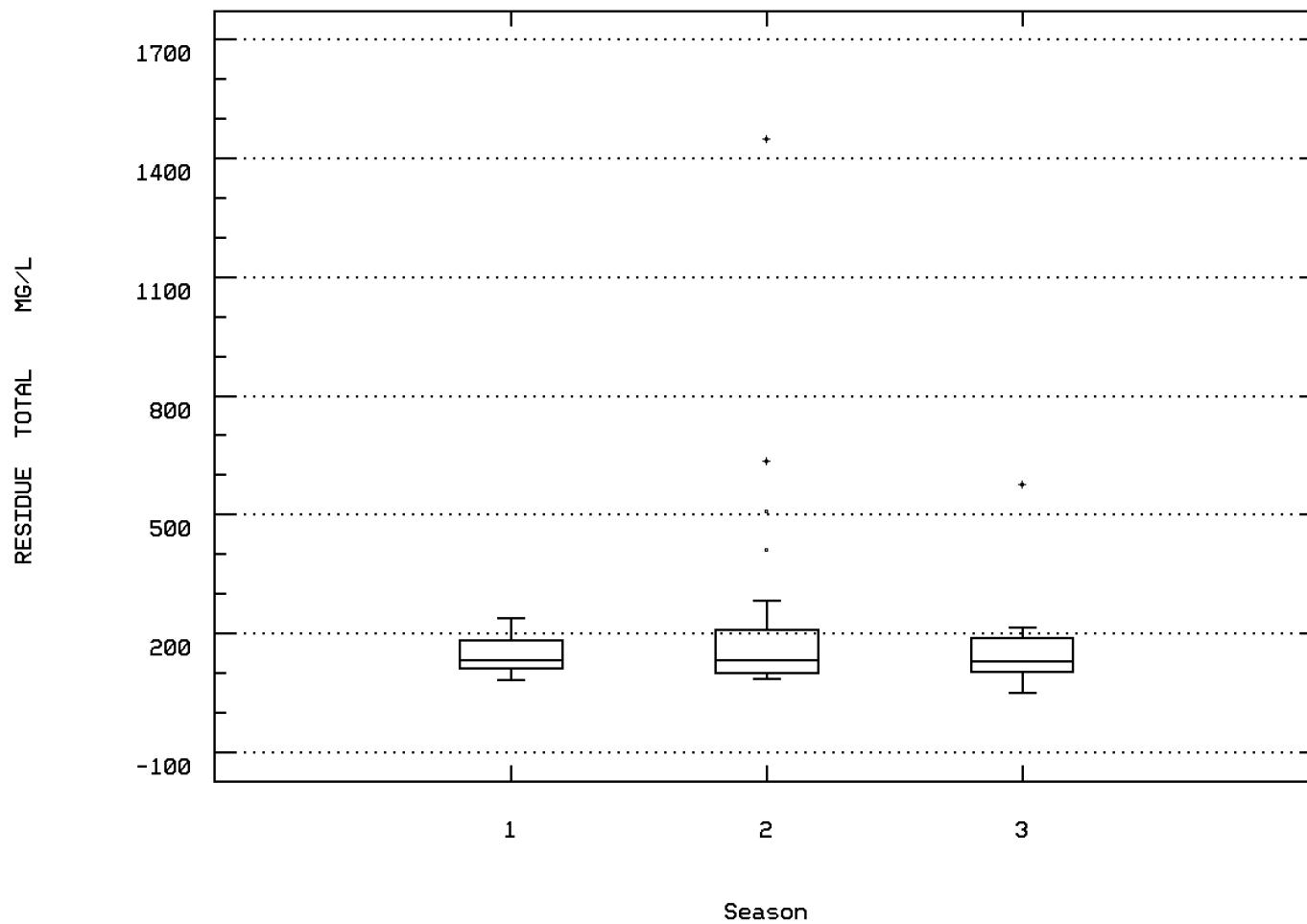
ALKALINITY, TOTAL (MG/L AS CACO₃)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00500

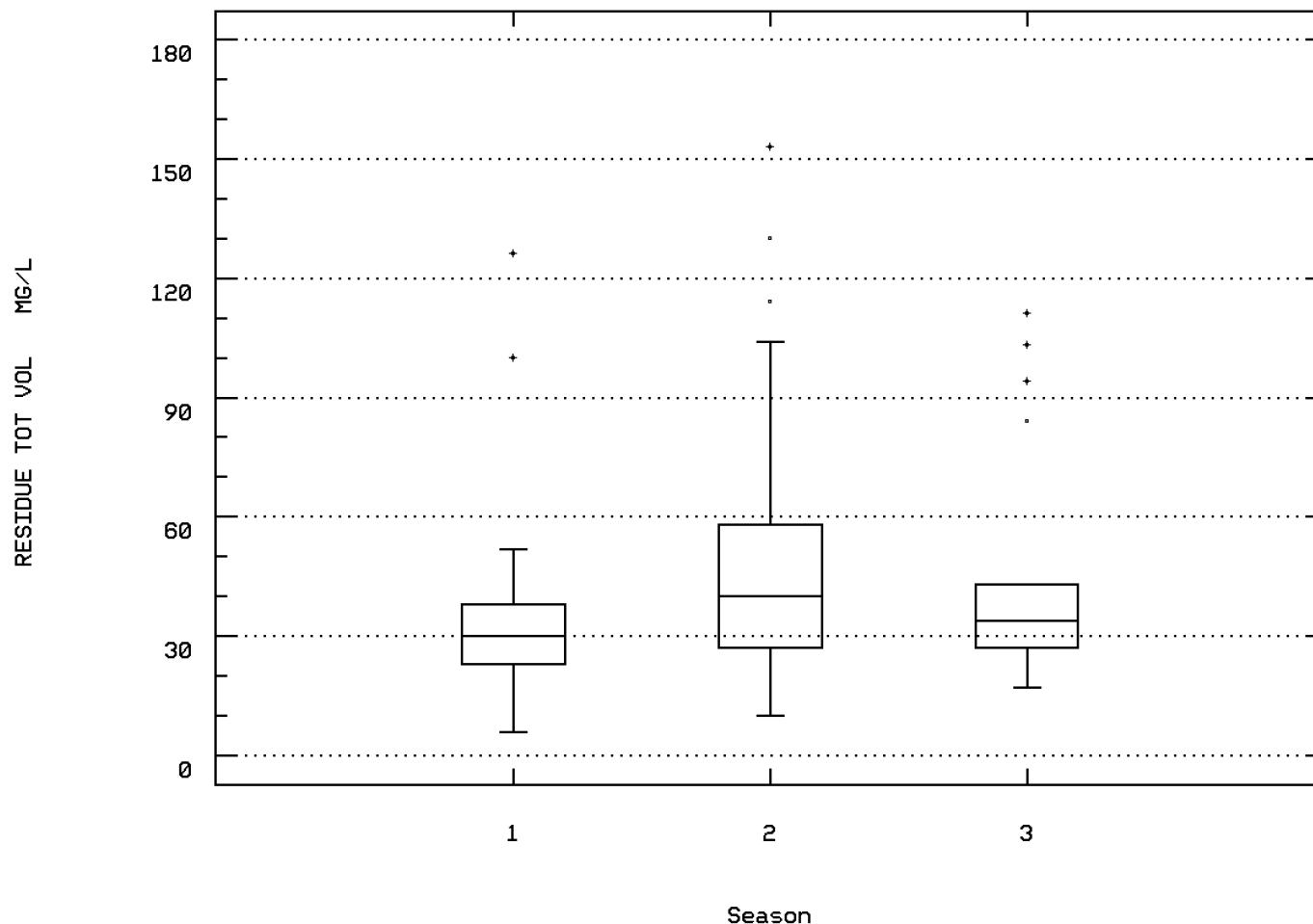
RESIDUE, TOTAL (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00505

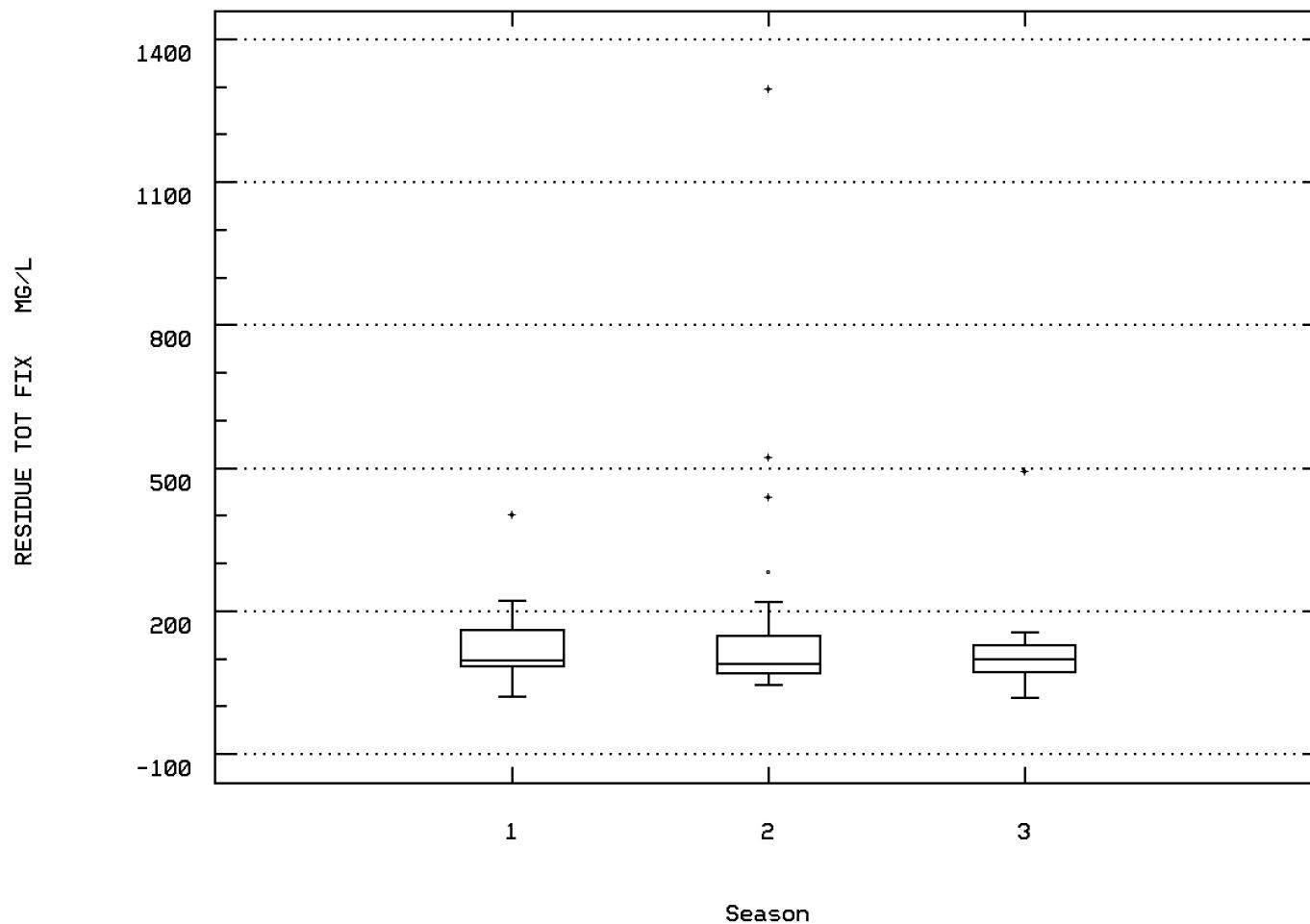
RESIDUE, TOTAL VOLATILE (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00510

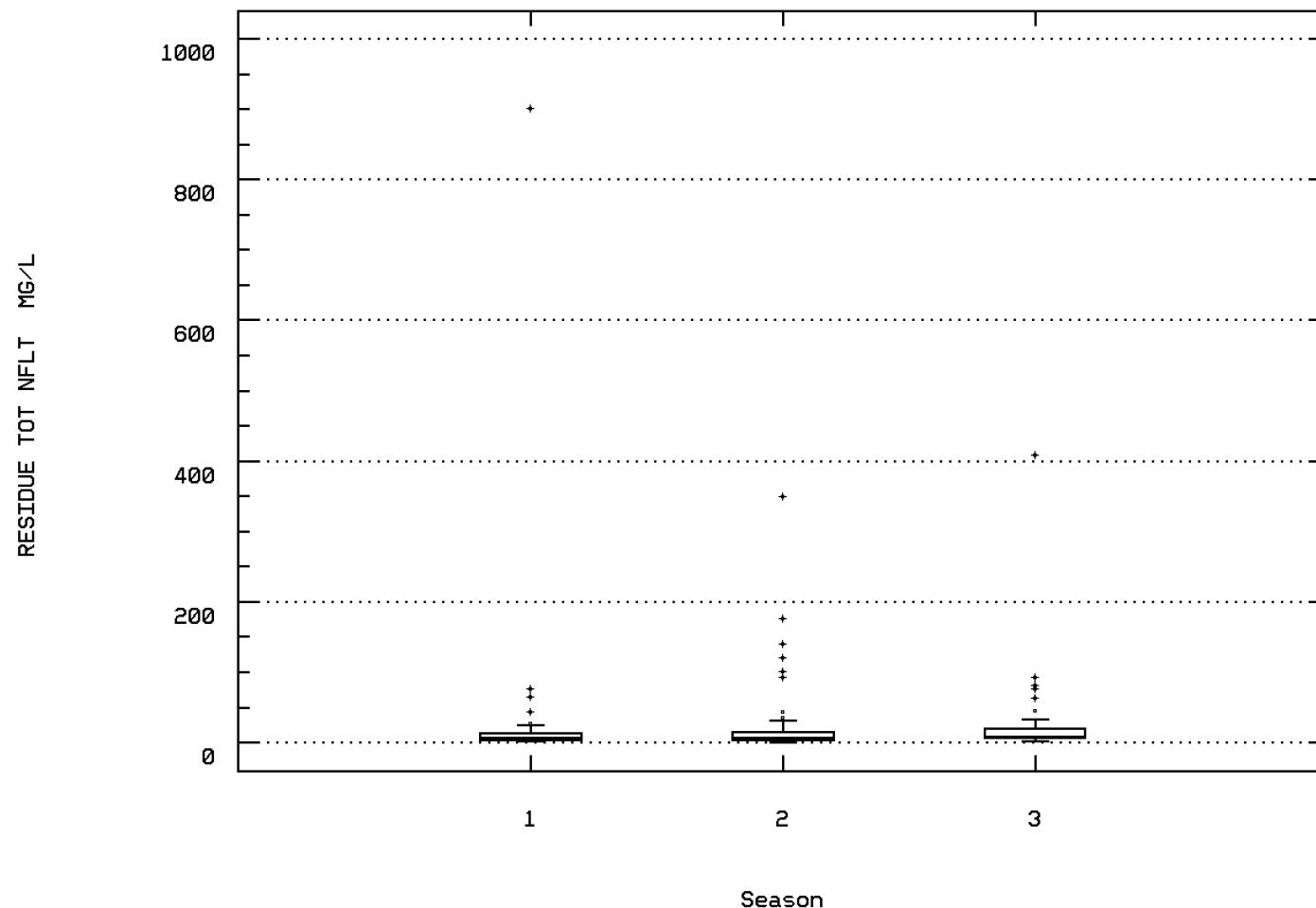
RESIDUE, TOTAL FIXED (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00530

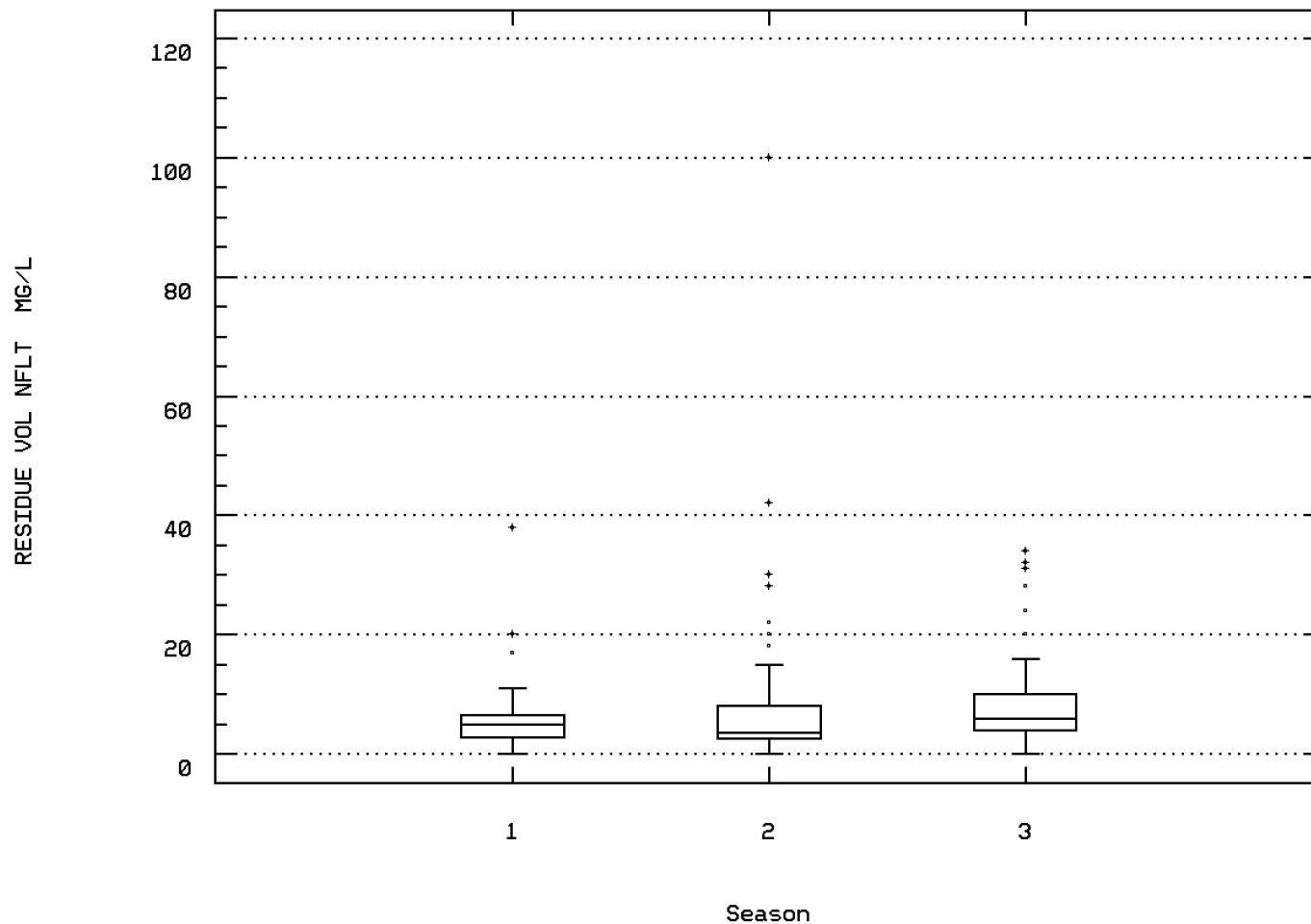
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00535

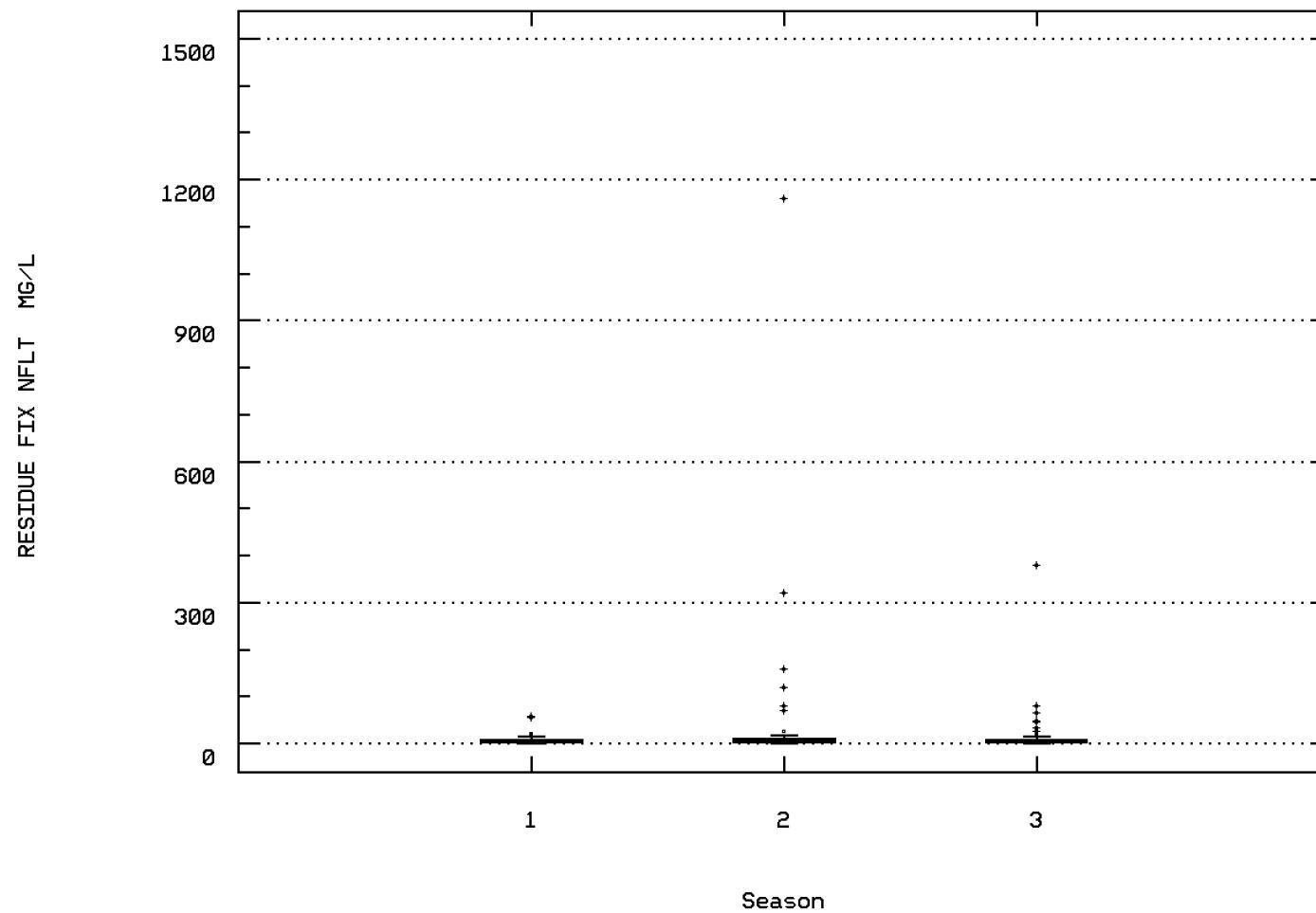
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00540

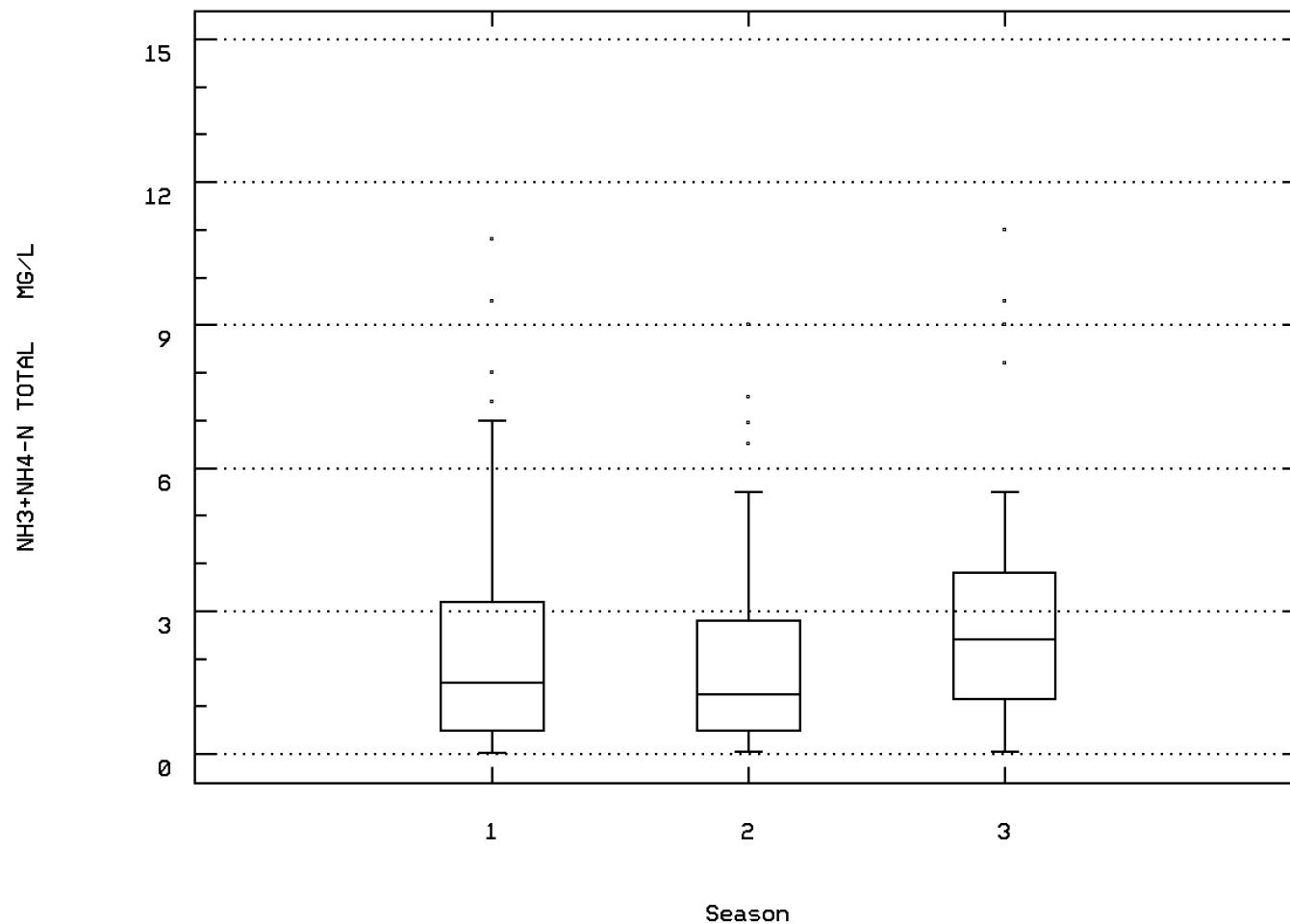
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00610

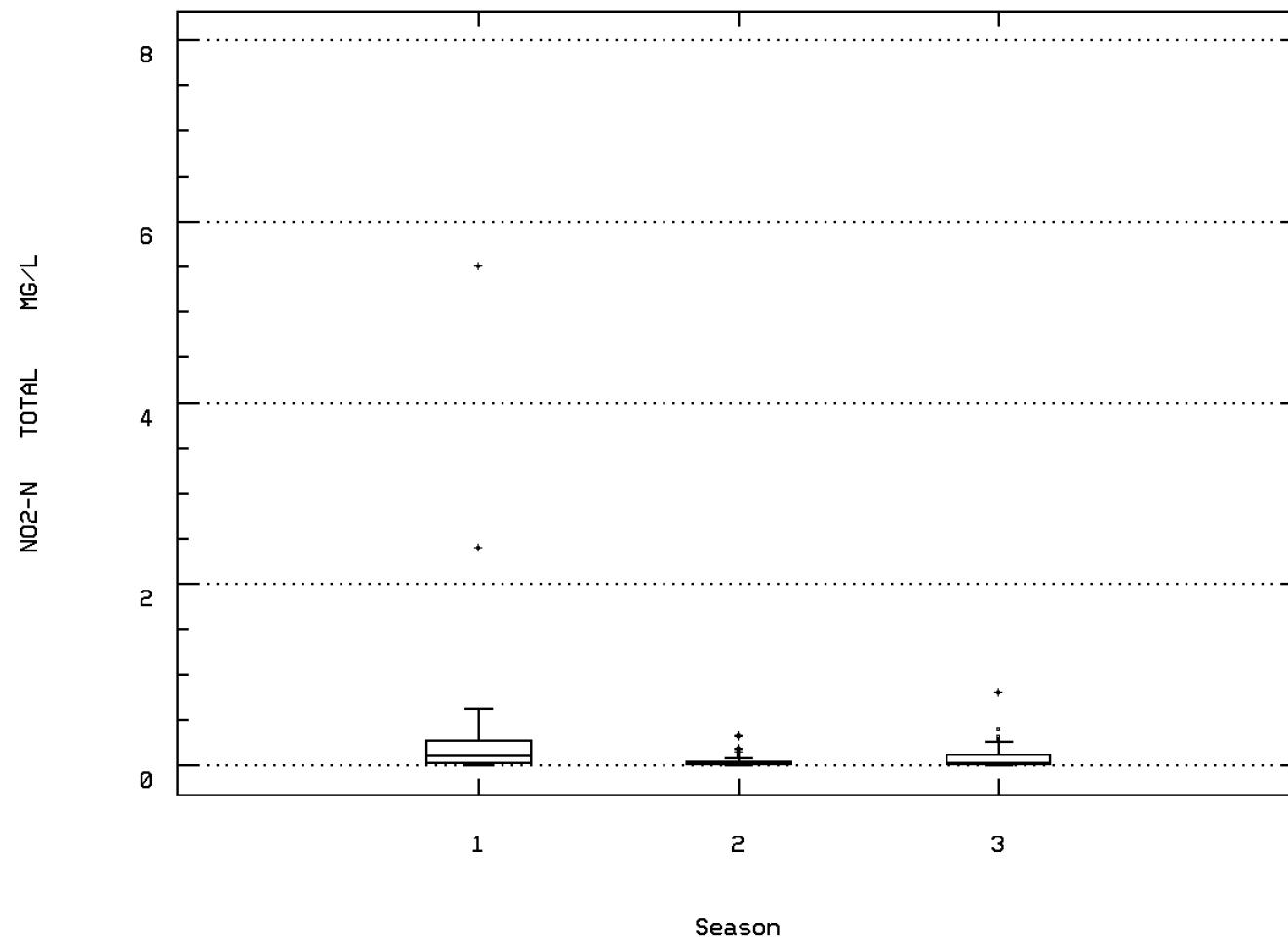
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00615

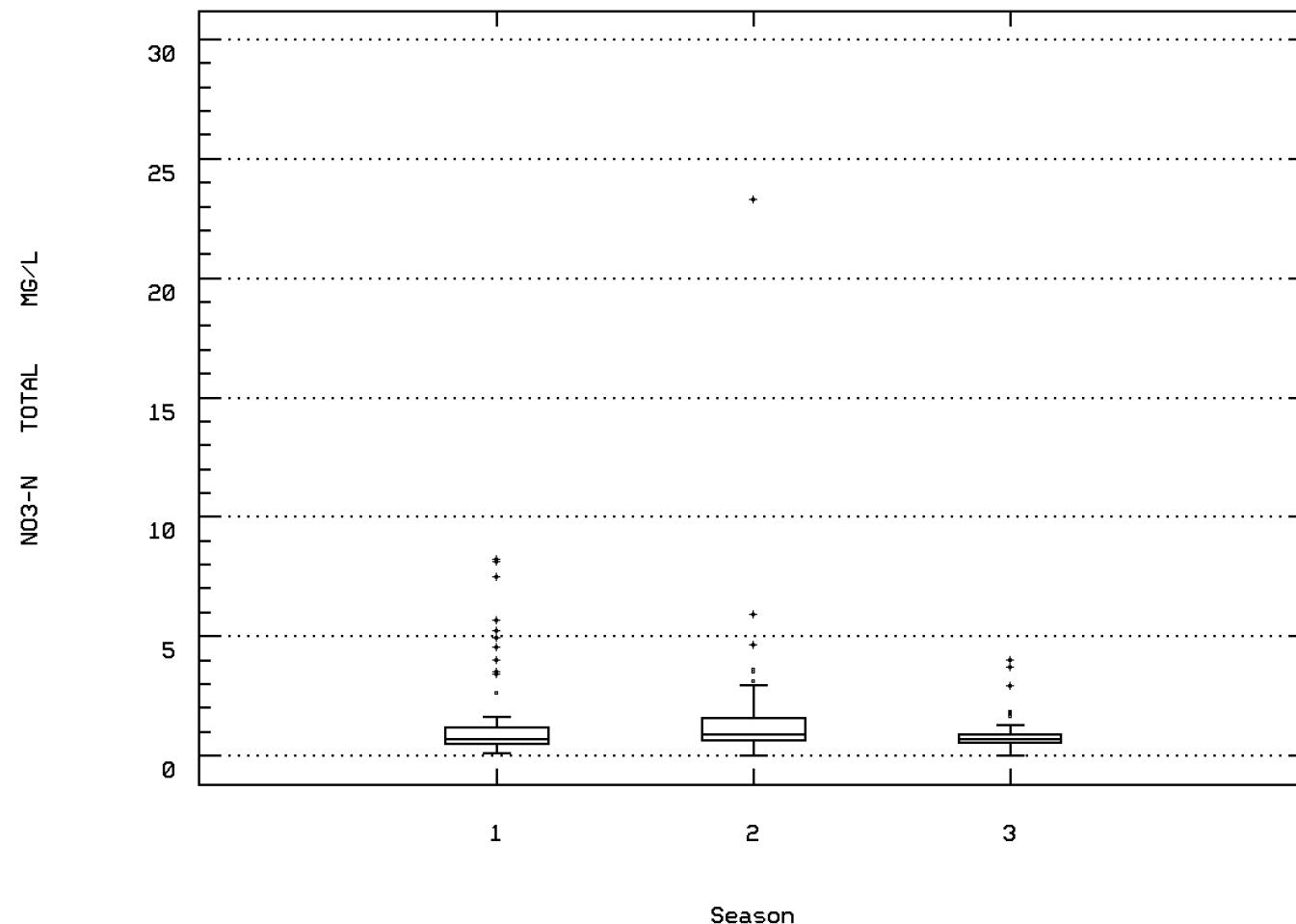
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00620

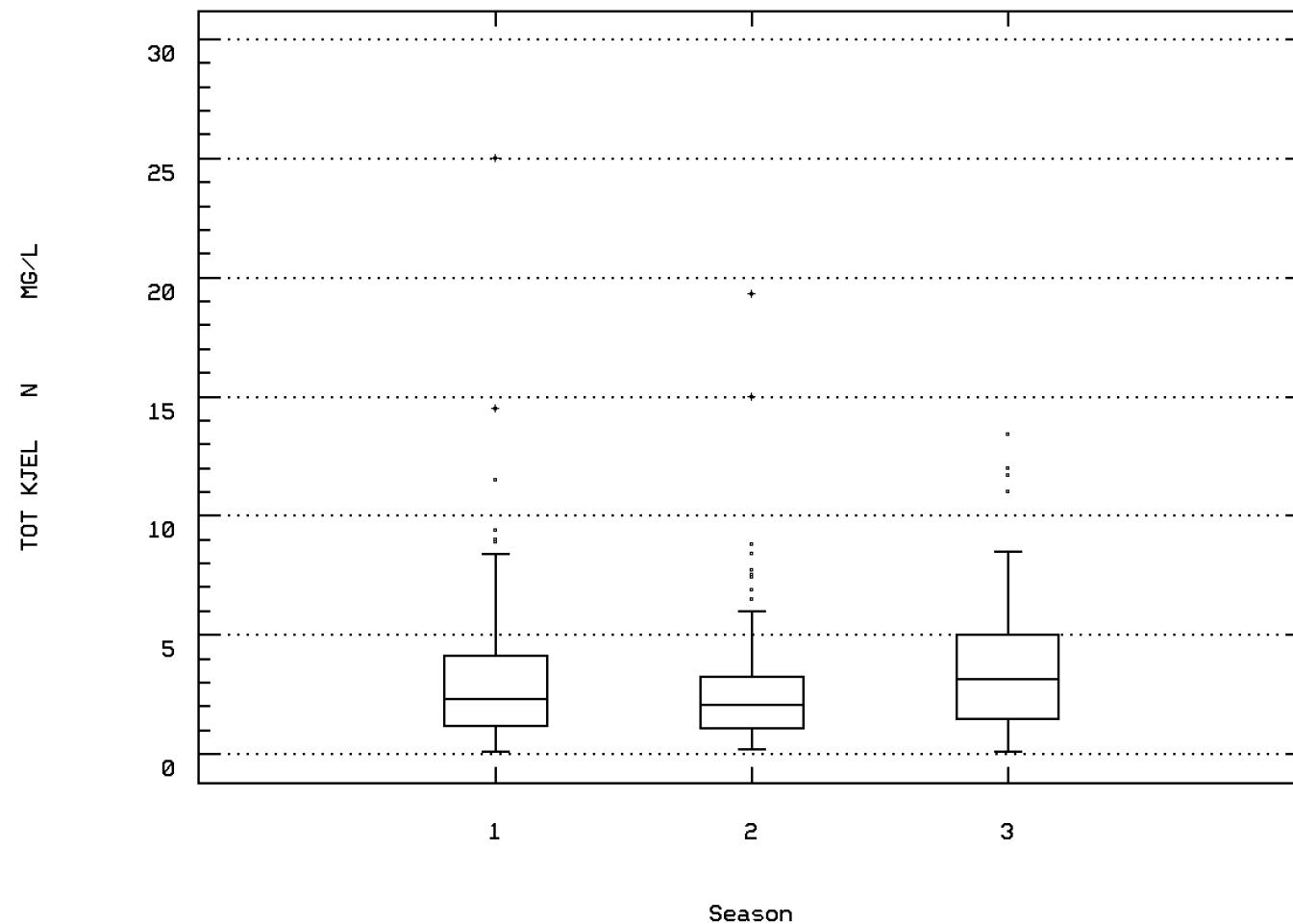
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00625

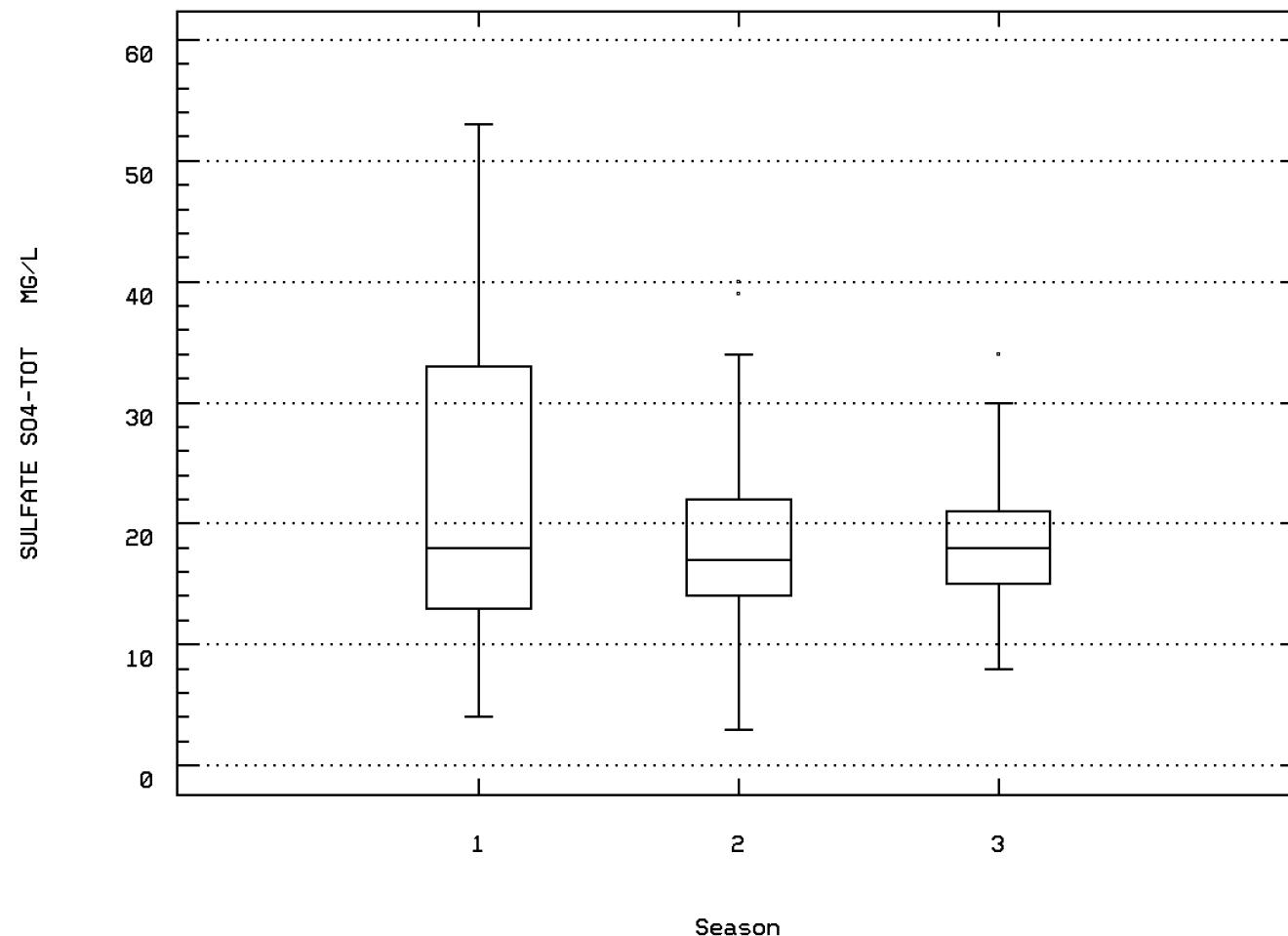
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 00945

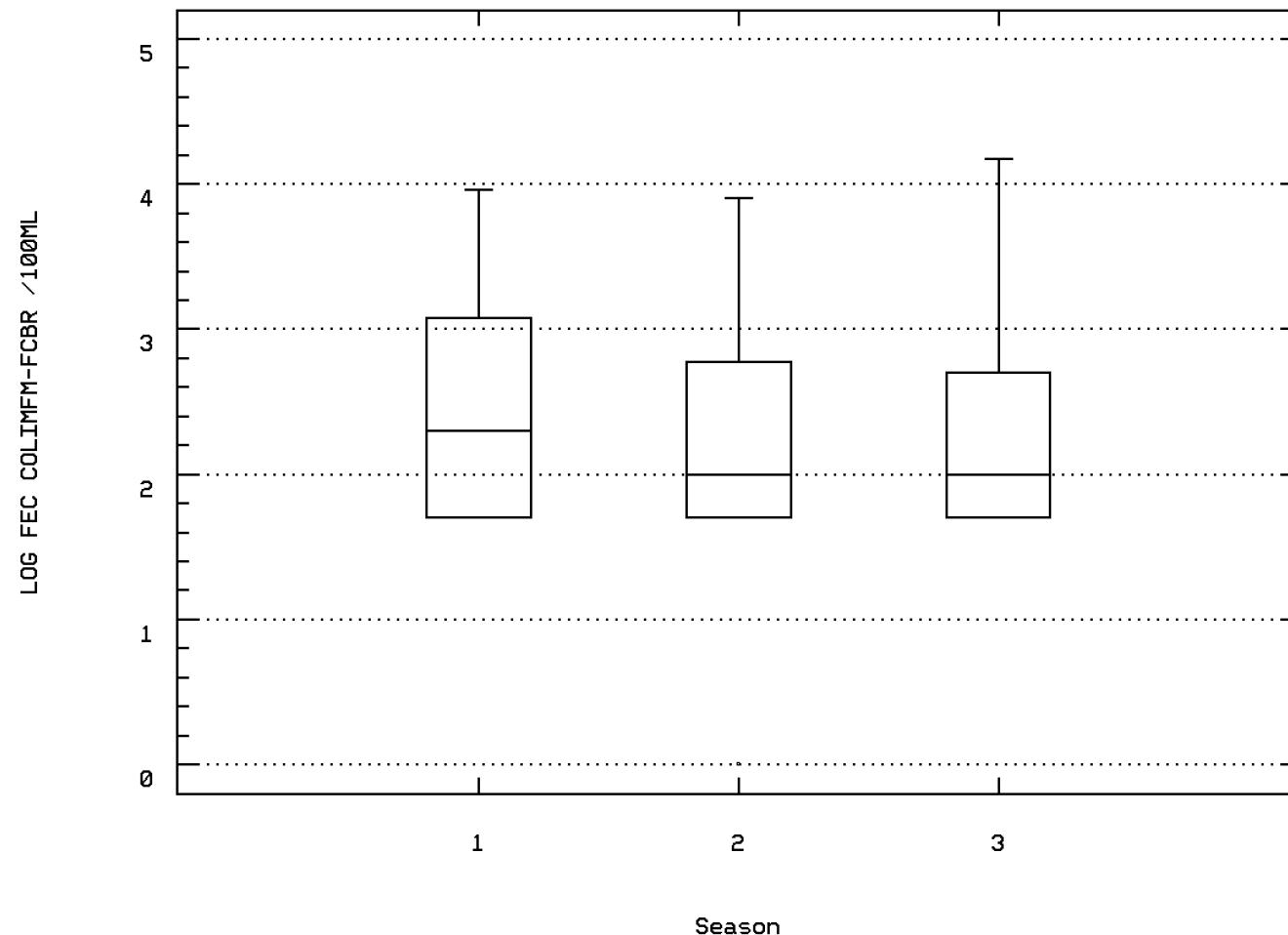
SULFATE, TOTAL (MG/L AS SO₄)



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 31616

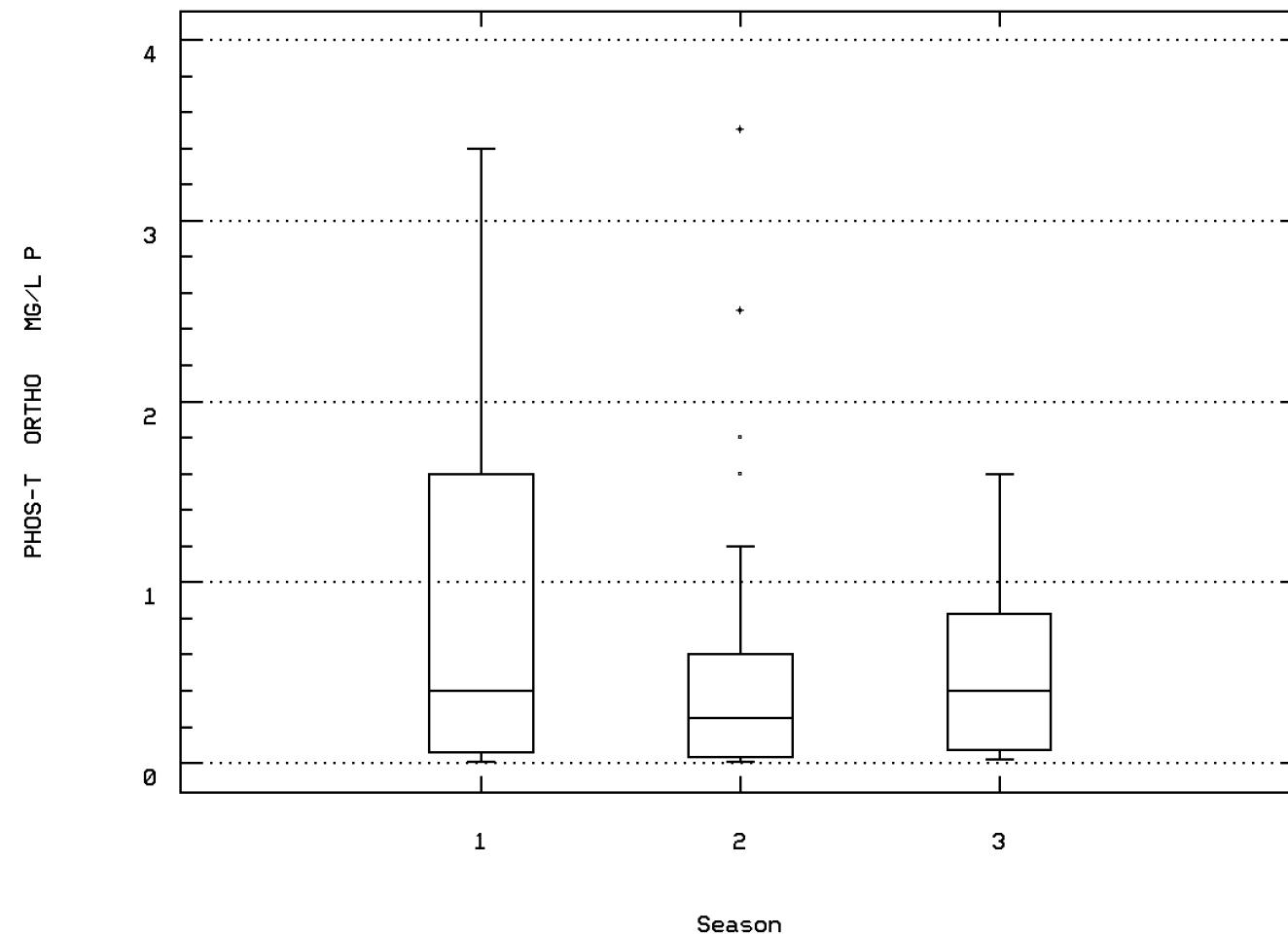
LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



RT. 3 BRIDGE

Station: FRSP0022 Parameter Code: 70507

PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/



RT. 3 BRIDGE

Station Inventory for Station: FRSP0023

NPS Station ID: FRSP0023
 Location: 100 YDS. BELOW FREDERICKSBURG STP
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104042
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
 RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

LAT/LON: 38.287503/ -77.448892

Agency: 21VASWCB
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): 3-RPP107.91 /VA3-01-X0077/VA3-3X0077
 Within Park Boundary: No

Date Created: 04/19/76

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 3.940
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	127	18.8	17.343	31.	0.6	75.534	8.691	5.5	9.7	25.6	28.1
00070 TURBIDITY, (JACKSON CANDLE UNITS)	02/21/91-10/04/93	7	8.	7.271	12.	3.4	12.002	3.464	**	**	**	**
00076 TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	58	6.5	9.186	33.	1.7	52.891	7.273	2.9	3.95	12.325	22.
00078 TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	89	1.3	1.46	3.3	0.15	0.661	0.813	0.5	0.85	2.15	2.5
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	110	83.	86.409	140.	64.	222.024	14.9	72.2	77.	91.	110.8
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	85	79.	82.4	150.	62.	247.624	15.736	68.	73.5	87.	101.
00096 SALINITY AT 25 DEGREES C (MG/ML)	02/21/91-12/01/94	55	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	110	9.4	9.747	15.6	6.2	4.795	2.19	7.2	7.75	11.425	12.79
00300 OXYGEN, DISSOLVED MG/L	05/11/76-06/13/79	18	8.1	7.983	10.	6.4	1.341	1.158	6.4	6.8	9.	9.64
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	109	1.	1.152	6.	0.5	0.69	0.83	0.5	0.5	1.	2.
00340 COD, .25N K2CR2O7 MG/L	03/21/91-12/10/98	47	9.	9.511	29.	2.5	25.951	5.094	2.5	7.	13.	16.
00400 PH (STANDARD UNITS)	06/24/76-12/10/98	121	7.2	7.107	8.6	5.6	0.243	0.493	6.5	6.7	7.4	7.7
00400 CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	121	7.2	6.829	8.6	5.6	0.321	0.567	6.5	6.7	7.4	7.7
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	121	0.063	0.148	2.512	0.003	0.067	0.259	0.02	0.04	0.2	0.316
00403 PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	87	6.9	6.906	8.	6.1	0.132	0.364	6.5	6.6	7.1	7.42
00403 CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	87	6.9	6.779	8.	6.1	0.148	0.385	6.5	6.6	7.1	7.42
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	87	0.126	0.166	0.794	0.01	0.016	0.126	0.038	0.079	0.251	0.316
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	86	21.	21.302	35.	12.	21.696	4.658	16.	17.	24.	29.
00480 SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	40	67.	67.45	96.	47.	152.767	12.36	53.	56.	76.	86.9
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	40	20.	19.013	36.	2.5	54.699	7.396	9.	12.75	24.75	27.
00510 RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	40	46.5	48.4	72.	29.	104.964	10.245	35.1	41.25	56.	63.6
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	111	5.	10.428	88.	0.5	190.14	13.789	1.5	3.	12.	28.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	111	1.5	2.365	18.	0.	5.741	2.396	1.	1.	3.	5.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	111	4.	8.32	78.	0.	143.981	11.999	1.5	1.5	9.	24.
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	52	0.029	0.047	0.23	0.002	0.002	0.044	0.015	0.02	0.06	0.09
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	61 ##	0.02	0.088	1.099	0.02	0.032	0.179	0.02	0.02	0.06	0.2
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	53 ##	0.005	0.006	0.01	0.001	0.	0.002	0.003	0.005	0.005	0.01
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	61 ##	0.005	0.031	0.75	0.005	0.014	0.119	0.005	0.005	0.01	0.028
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	53	0.48	0.449	0.94	0.02	0.073	0.271	0.074	0.15	0.63	0.84
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	44	0.49	0.573	7.	0.01	1.034	1.017	0.073	0.22	0.627	0.71
00625 NITROGEN, KIELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	103	0.3	0.348	1.599	0.05	0.059	0.242	0.14	0.2	0.4	0.6
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/11/76-06/13/79	17	0.29	0.46	1.7	0.02	0.195	0.441	0.068	0.115	0.6	1.14

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	83	0.05	0.064	0.3	0.005	0.002	0.042	0.024	0.04	0.1	0.1
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	02/21/91-12/01/94	47	0.02	0.019	0.05	0.005	0.009	0.009	0.01	0.02	0.03	0.03
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/21/91-12/01/94	53	0.01	0.014	0.031	0.003	0.	0.008	0.005	0.009	0.02	0.026
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	83	3.7	4.078	15.	0.05	5.472	2.339	1.9	2.6	4.9	7.
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	04/16/92-12/10/98	59	27.	29.746	60.	20.	55.055	7.42	23.	25.	34.	38.
00940	CHLORIDE, TOTAL IN WATER MG/L	08/10/94-12/10/98	46	5.	5.272	14.	2.5	6.241	2.498	2.5	2.5	6.	8.
00945	SULFATE, TOTAL (MG/L AS SO ₄)	06/29/77-12/10/98	47	7.	6.872	13.	5.	2.331	1.527	5.	6.	8.	8.2
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/21/91-12/01/94	53	10.	10.021	26.1	1.1	12.288	3.505	6.28	8.45	11.1	12.2
01002	ARSENIC, TOTAL (UG/L AS AS)	05/02/77-05/02/77	1 ##	1.	1.	1.	0.	0.	0.	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-07/30/97	1 ##	6.25	6.25	6.25	6.25	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/02/77-05/02/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	1 ##	0.315	0.315	0.315	0.315	0.	0.	**	**	**	**
01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	1	50.79	50.79	50.79	50.79	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/02/77-05/02/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/02/77-05/02/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-07/30/97	1	30.09	30.09	30.09	30.09	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/02/77-05/02/77	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-07/30/97	1	31.39	31.39	31.39	31.39	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/02/77-05/02/77	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-07/30/97	1	31.39	31.39	31.39	31.39	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/02/77-05/02/77	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-07/30/97	1	72.09	72.09	72.09	72.09	0.	0.	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	08/04/76-07/11/77	4	5025.	62570.	240000.	230.14009028600.	118359.742	**	**	**	**	**
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150)	08/04/76-07/11/77	4	3.422	3.646	5.38	2.362	1.785	1.336	**	**	**	**
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)			GEOMETRIC MEAN =	4429.664								
31614	FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/15/94-06/07/94	4	36.	421.5	1600.	14.	617492.333	785.807	**	**	**	**
31614	LOG FECAL COLIFORM,MPN,TUBE CONFIGURATION	03/15/94-06/07/94	4	1.526	1.851	3.204	1.146	0.864	0.93	**	**	**	**
31614	GM FECAL COLIFORM,MPN,TUBE CONFIGURATION			GEOMETRIC MEAN =	70.883								
31615	FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/05/94-09/15/97	19	78.	1514.368	16000.	20.	16637195.023	4078.872	20.	45.	490.	9200.
31615	LOG FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)	07/05/94-09/15/97	19	1.892	2.214	4.204	1.301	0.677	0.823	1.301	1.653	2.69	3.964
31615	GM FECAL COLIFORM,MPN,EC MED,44.5C (TUBE 31614)			GEOMETRIC MEAN =	163.51								
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	63	100.	2389.302	110000.	15.	194226768.795	13936.526	47.	50.	430.	1760.
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	05/11/76-12/10/98	63	2.	2.237	5.041	1.176	0.527	0.726	1.672	1.699	2.633	3.245
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	172.401								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/11/76-05/08/79	9	0.	0.111	0.4	0.	0.021	0.145	0.	0.	0.2	0.4
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/11/76-06/13/79	20 ##	0.05	0.075	0.2	0.05	0.001	0.038	0.05	0.05	0.1	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	61	0.03	0.046	0.27	0.005	0.002	0.044	0.012	0.02	0.05	0.096
71900	MERCURY, TOTAL (UG/L AS HG)	05/02/77-05/02/77	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-07/30/97	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0023

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	7	0	0.00	2	0	0.00	4	0	0.00	1	0	0.00		
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	58	0	0.00	22	0	0.00	19	0	0.00	17	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	110	0	0.00	41	0	0.00	38	0	0.00	31	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	18	0	0.00	11	0	0.00				7	0	0.00		
00400	PH	Fresh Chronic	9.	121	0	0.00	51	0	0.00	33	0	0.00	37	0	0.00		
		Other-Lo Lim.	6.5	121	13	0.11	51	5	0.10	33	3	0.09	37	5	0.14		
00403	PH, LAB	Fresh Chronic	9.	87	0	0.00	28	0	0.00	29	0	0.00	30	0	0.00		
		Other-Lo Lim.	6.5	87	13	0.15	28	1	0.04	29	8	0.28	30	4	0.13		
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	53	0	0.00	16	0	0.00	17	0	0.00	20	0	0.00		
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	61	0	0.00	27	0	0.00	15	0	0.00	19	0	0.00		
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	53	0	0.00	16	0	0.00	17	0	0.00	20	0	0.00		
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	44	0	0.00	17	0	0.00	15	0	0.00	12	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	17	0	0.00	10	0	0.00				7	0	0.00		
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	46	0	0.00	18	0	0.00	17	0	0.00	11	0	0.00		
		Drinking Water	250.	46	0	0.00	18	0	0.00	17	0	0.00	11	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0023

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	47	0	0.00	18	0	0.00	17	0	0.00	12	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00							1	0	0.00			
01027	CADMIUM, TOTAL	Drinking Water	50.	1	0	0.00							1	0	0.00			
		Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00												
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00												
01051	LEAD, TOTAL	Drinking Water	1300.	1	0	0.00												
		Fresh Acute	82.	1	0	0.00												
		Drinking Water	15.	1	0	0.00												
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00												
		Drinking Water	100.	1	0	0.00												
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00												
		Drinking Water	5000.	1	0	0.00												
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	4	2	0.50	2	1	0.50				2	1	0.50			
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	4	1	0.25							3	1	0.33			
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	19	7	0.37	10	6	0.60	6	1	0.17	3	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	63	28	0.44	22	11	0.50	17	6	0.35	24	11	0.46			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	9	4	0.44	6	3	0.50				3	1	0.33			
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
		Drinking Water	2.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1976 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	4	28.05	25.	30.	13.9	55.647	7.46	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	6	2.	2.333	5.	1.	2.267	1.506	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/76-12/10/98	4	7.35	7.275	7.7	6.7	0.189	0.435	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	4	7.325	7.105	7.7	6.7	0.228	0.477	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	4	0.047	0.079	0.2	0.02	0.007	0.083	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	19.	18.083	42.	0.5	233.242	15.272	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	5.	5.75	18.	0.	42.775	6.54	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	13.	12.417	24.	0.	123.042	11.092	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	6	0.1	0.133	0.4	0.05	0.018	0.133	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	6##	0.008	0.226	0.75	0.005	0.119	0.344	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	3	0.32	0.23	0.36	0.01	0.037	0.192	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	6	0.4	0.467	1.	0.2	0.079	0.28	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	6	6.	7.5	15.	4.	18.7	4.324	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	6	0.025	0.032	0.07	0.02	0.	0.019	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	6	11.5	14.633	31.	2.2	187.559	13.695	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	6	2.	2.667	6.	1.	3.067	1.751	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/76-12/10/98	6	7.5	7.55	7.8	7.3	0.043	0.207	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	6	7.5	7.511	7.8	7.3	0.045	0.212	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	6	0.032	0.031	0.05	0.016	0.	0.013	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	8.	8.667	15.	4.	19.067	4.367	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	3.5	3.333	6.	0.	4.667	2.16	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	6.	5.333	12.	0.	21.867	4.676	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	6	0.25	0.425	1.099	0.05	0.181	0.426	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	6	0.015	0.024	0.07	0.005	0.001	0.024	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	6	0.8	0.8	1.599	0.2	0.244	0.494	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	6	6.	5.833	8.	3.	3.367	1.835	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	1	8.	8.	8.	8.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	6	0.09	0.096	0.2	0.005	0.005	0.068	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	5	23.	22.3	28.	16.	34.7	5.891	**	**	**	**
00995	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	1	80.	80.	80.	0.	0.	**	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	6	1.	1.167	2.	1.	0.167	0.408	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/76-12/10/98	6	7.5	7.567	7.8	7.4	0.035	0.186	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	6	7.5	7.536	7.8	7.4	0.036	0.189	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	6	0.032	0.029	0.04	0.016	0.	0.011	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	17.	26.167	84.	3.	942.567	30.701	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	3.5	5.	10.	2.	10.4	3.225	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	6	12.	21.25	74.	5.	783.175	27.985	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	6##	0.075	0.092	0.2	0.05	0.003	0.058	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	6##	0.008	0.016	0.06	0.005	0.	0.022	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	6	0.3	0.317	0.5	0.1	0.018	0.133	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	6	4.5	6.333	13.	4.	13.067	3.615	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	6	0.045	0.044	0.11	0.005	0.001	0.038	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	2	21.1	21.1	21.2	21.	0.02	0.141	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	2	1.	1.	1.	0.	0.	0.141	**	**	**	**
00400	PH (STANDARD UNITS)	06/24/76-12/10/98	2	7.6	7.6	7.7	7.5	0.02	0.141	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	2	7.589	7.589	7.7	7.5	0.02	0.142	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	2	0.026	0.026	0.032	0.02	0.	0.008	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	2	44.5	44.5	88.	1.	3784.5	61.518	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	2	5.5	5.5	10.	1.	40.5	6.364	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	2##	39.25	39.25	78.	0.5	3003.125	54.801	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	2##	0.175	0.175	0.3	0.05	0.031	0.177	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	2##	0.023	0.023	0.04	0.005	0.001	0.025	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	2	0.2	0.2	0.3	0.1	0.02	0.141	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	2	6.	6.	7.	5.	2.	1.414	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	2	0.055	0.055	0.1	0.01	0.004	0.064	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	18	13.3	15.922	27.4	6.8	56.743	7.533	6.98	9.375	24.1	27.13
00078	TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	17	1.	1.406	2.5	0.15	0.687	0.829	0.31	0.775	2.375	2.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	18	84.5	92.222	137.	75.	318.301	17.841	77.7	81.5	102.75	128.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	15	74.	79.867	123.	68.	226.41	15.047	68.6	72.	78.	109.8
00096	SALINITY AT 25 DEGREES C (MG/ML)	02/21/91-12/01/94	18	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	18	10.05	9.394	12.9	6.4	4.945	2.224	6.58	7.15	11.15	12.72
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	14	1.	1.393	2.	0.5	0.315	0.561	0.75	1.	2.	2.
00400	PH (STANDARD UNITS)	06/24/76-12/10/98	16	6.5	6.507	7.	6.	0.048	0.219	6.21	6.4	6.6	6.804
00400	CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	16	6.5	6.454	7.	6.	0.051	0.225	6.21	6.4	6.6	6.804
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	16	0.316	0.351	1.	0.1	0.041	0.201	0.163	0.251	0.398	0.651
00403	PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	12	6.85	6.95	7.4	6.7	0.052	0.228	6.7	6.8	7.175	7.34
00403	CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	12	6.847	6.902	7.4	6.7	0.054	0.233	6.7	6.8	7.175	7.34
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	12	0.142	0.125	0.2	0.04	0.003	0.055	0.047	0.067	0.158	0.2
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	11	20.	20.818	35.	16.	31.564	5.618	16.2	17.	21.	33.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	17	5.	7.353	30.	1.5	70.618	8.403	1.5	2.75	7.	28.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	17	1.	1.529	7.	0.5	2.671	1.634	0.5	0.75	1.5	4.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	17	4.	6.118	26.	1.5	46.235	6.8	1.5	2.75	6.	22.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	16	0.08	0.08	0.23	0.02	0.002	0.05	0.02	0.06	0.09	0.153
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	16##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.007
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	16	0.47	0.438	0.89	0.07	0.09	0.3	0.07	0.103	0.723	0.883
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	16	0.4	0.369	0.6	0.1	0.02	0.14	0.17	0.3	0.475	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	16	0.05	0.053	0.19	0.02	0.002	0.042	0.02	0.03	0.058	0.127
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/21/91-12/01/94	16	0.01	0.015	0.03	0.005	0.	0.009	0.005	0.006	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	15	3.3	3.193	7.	1.7	1.785	1.336	1.7	2.4	3.7	5.38
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/21/91-12/01/94	16	9.95	8.512	11.2	1.1	8.551	2.924	3.48	6.825	11.	11.06

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	20	15.65	16.22	29.9	3.	82.775	9.098	5.1	6.5	24.3	28.06
00078	TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	14	1.275	1.6	3.3	0.3	0.817	0.904	0.35	0.938	2.425	3
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	20	77.5	79.5	93.	69.	46.895	6.848	72.	75.	83.75	90.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	10	80.5	84.2	132.	68.	329.956	18.165	68.	73.25	87.	127.5
00096	SALINITY AT 25 DEGREES C (MG/ML)	02/21/91-12/01/94	16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1992 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	20	9.6	9.715	12.8	6.7	4.465	2.113	7.02	7.725	11.9	12.79
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	13	1.	0.923	2.	0.5	0.16	0.4	0.5	1.	1.6	
00400	PH (STANDARD UNITS)	06/24/76-12/10/98	19	7.3	7.27	7.8	6.6	0.1	0.317	6.6	7.1	7.5	7.7
00400	CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	19	7.3	7.146	7.8	6.6	0.116	0.341	6.6	7.1	7.5	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	19	0.05	0.071	0.251	0.016	0.005	0.067	0.02	0.032	0.079	0.251
00403	PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	13	7.	7.185	7.8	6.7	0.133	0.365	6.74	6.85	7.55	7.72
00403	CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	13	7.	7.061	7.8	6.7	0.15	0.387	6.74	6.85	7.55	7.72
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	13	0.1	0.087	0.2	0.016	0.004	0.061	0.02	0.028	0.142	0.183
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	13	20.	20.154	27.	14.	11.808	3.436	15.2	17.5	22.	26.2
00500	RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	1	47.	47.	47.	47.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	1	12.	12.	12.	0.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	1	35.	35.	35.	35.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	14	4.	6.893	33.	1.	71.968	8.483	1.25	1.5	9.25	24.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	14	1.	1.464	5.	0.	1.595	1.263	0.	1.	1.625	4.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	14	3.	5.75	28.	1.	51.683	7.189	1.25	1.5	7.25	20.5
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	13 ##	0.02	0.027	0.05	0.02	0.	0.011	0.02	0.02	0.04	0.046
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	14 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	14	0.505	0.508	0.94	0.02	0.08	0.283	0.045	0.373	0.745	0.89
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	14	0.3	0.329	0.6	0.2	0.016	0.127	0.2	0.2	0.4	0.55
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	14	0.04	0.043	0.11	0.005	0.001	0.025	0.013	0.028	0.05	0.09
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/21/91-12/01/94	14	0.01	0.013	0.02	0.005	0.	0.007	0.005	0.005	0.02	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	13	2.8	3.004	4.9	0.05	1.815	1.347	0.75	2.05	4.2	4.78
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	10	34.	34.6	50.	26.	48.933	6.995	26.2	29.5	37.5	49.2
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/21/91-12/01/94	14	10.05	9.836	12.6	3.1	5.284	2.299	5.5	9.35	10.95	12.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	20	21.45	19.415	28.4	3.	78.483	8.859	4.68	12.475	28.	28.3
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	7	5.9	11.357	22.	1.7	86.49	9.3	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	12	1.25	1.217	2.5	0.3	0.378	0.615	0.36	0.625	1.575	2.29
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	20	84.	89.7	137.	66.	337.063	18.359	70.4	75.5	104.5	116.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	9	74.	72.778	80.	62.	39.694	6.3	62.	67.5	78.	80.
00096	SALINITY AT 25 DEGREES C (MG/ML)	02/21/91-12/01/94	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	20	8.8	9.165	13.5	6.2	4.519	2.126	6.67	7.3	11.05	13.21
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	11	1.	1.045	2.	0.5	0.123	0.35	0.6	1.	1.	1.8
00400	PH (STANDARD UNITS)	06/24/76-12/10/98	20	6.65	6.732	7.14	6.5	0.031	0.177	6.6	6.6	6.8	7.08
00400	CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	20	6.647	6.702	7.14	6.5	0.032	0.179	6.6	6.6	6.8	7.08
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	20	0.225	0.199	0.316	0.072	0.005	0.068	0.084	0.158	0.251	0.251
00403	PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	11	7.1	7.145	8.	6.6	0.225	0.474	6.62	6.7	7.5	7.98
00403	CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	11	7.1	6.97	8.	6.6	0.259	0.508	6.62	6.7	7.5	7.98
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	11	0.079	0.107	0.251	0.01	0.007	0.081	0.011	0.032	0.2	0.241
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	11	20.	19.818	24.	14.	11.764	3.43	14.4	17.	23.	24.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	6.	10.5	33.	1.5	113.318	10.645	1.5	4.25	17.75	31.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	1.75	2.167	5.	1.	1.924	1.387	1.	1.	3.5	4.7
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	4.5	8.583	29.	1.5	92.947	9.641	1.5	2.25	15.75	27.5
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	12 ##	0.03	0.048	0.19	0.02	0.002	0.048	0.02	0.02	0.058	0.151
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	12 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	12	0.42	0.437	0.84	0.12	0.058	0.24	0.126	0.195	0.605	0.819
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	12	0.25	0.292	0.6	0.2	0.017	0.131	0.2	0.2	0.3	0.57
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	12	0.04	0.048	0.12	0.02	0.001	0.03	0.02	0.03	0.07	0.108
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/21/91-12/01/94	12	0.01	0.013	0.02	0.005	0.	0.006	0.005	0.01	0.02	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	12	3.05	3.125	4.7	2.2	0.629	0.793	2.23	2.325	3.675	4.49
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	11	32.	33.273	60.	26.	105.018	10.248	26.	26.	38.	56.
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/21/91-12/01/94	12	10.2	9.958	12.2	6.	3.117	1.766	6.66	8.875	11.325	12.14

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Annual Analysis for 1994 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	13	16.3	17.338	29.3	0.6	79.148	8.896	2.88	9.9	25.7	28.34
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	10	3.6	6.18	19.	1.7	30.466	5.52	1.78	2.8	9.075	18.33
00078	TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	8	1.125	1.556	3.3	0.6	1.044	1.022	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	13	92.	87.846	102.	69.	82.308	9.072	71.4	82.	93.	99.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	9	81.	81.889	101.	66.	119.861	10.948	66.	72.	89.	101.
00096	SALINITY AT 25 DEGREES C (MG/ML)	02/21/91-12/01/94	9	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	13	9.5	9.915	15.6	7.3	4.83	2.198	7.58	8.2	11.2	14.08
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	10	1.	1.06	2.7	0.5	0.46	0.679	0.5	0.5	1.325	2.57
00400	PH (STANDARD UNITS)	06/24/76-12/10/98	13	7.3	7.377	8.5	6.4	0.4	0.633	6.52	6.9	7.7	8.5
00400	CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	13	7.3	7.049	8.5	6.4	0.517	0.719	6.52	6.9	7.7	8.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	13	0.05	0.089	0.398	0.003	0.012	0.11	0.003	0.02	0.126	0.319
00403	PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	10	6.6	6.63	6.9	6.4	0.022	0.149	6.41	6.5	6.725	6.89
00403	CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	10	6.6	6.608	6.9	6.4	0.023	0.151	6.41	6.5	6.725	6.89
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	10	0.251	0.247	0.398	0.126	0.007	0.081	0.129	0.189	0.316	0.39
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	10	25.	22.7	30.	12.	30.233	5.498	12.4	18.25	26.25	29.7
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	11	6.	7.682	28.	1.5	57.964	7.613	1.5	1.5	10.	24.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	11 ##	1.5	1.909	4.	1.	1.091	1.044	1.1	1.5	1.5	4.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	11	4.	6.091	24.	1.5	43.991	6.633	1.5	1.5	8.	21.2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	11	0.02	0.02	0.05	0.002	0.	0.015	0.003	0.006	0.036	0.047
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	11	0.003	0.004	0.01	0.001	0.	0.003	0.001	0.002	0.007	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	02/21/91-12/01/94	11	0.47	0.406	0.92	0.07	0.071	0.266	0.08	0.13	0.54	0.88
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	02/21/91-12/01/94	11	0.015	0.016	0.031	0.003	0.	0.009	0.004	0.007	0.021	0.031
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	5	2.7	2.84	4.4	1.5	1.563	1.25	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	4	24.	24.5	28.	22.	7.	2.646	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/10/94-12/10/98	5	6.	6.6	8.	6.	0.8	0.894	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	5	6.	6.	6.	0.	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	02/21/91-12/01/94	11	11.6	12.518	26.1	7.	30.222	5.497	7.2	9.	14.	24.58

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Annual Analysis for 1995 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	11	11.6	14.873	25.8	2.5	92.736	9.63	3.02	5.6	25.6	25.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	12	7.6	10.367	23.	3.	39.788	6.308	3.6	5.9	15.4	22.1
00078	TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	12	1.3	1.408	3.2	0.5	0.634	0.796	0.5	0.825	2.025	2.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	11	85.	87.	102.	80.	43.2	6.573	80.2	81.	91.	100.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	12	83.	85.833	104.	75.	63.242	7.953	76.5	80.5	92.5	101.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	11	10.3	10.273	13.6	7.3	5.59	2.364	7.36	7.8	12.4	13.38
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	12 ##	0.5	0.667	1.9	0.5	0.181	0.425	0.5	0.5	0.5	1.66
00400	PH (STANDARD UNITS)	06/24/76-12/10/98	8	7.2	6.962	7.4	5.6	0.377	0.614	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	8	7.2	6.41	7.4	5.6	0.726	0.852	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	8	0.063	0.389	2.512	0.04	0.739	0.86	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	12	6.9	6.8	7.2	6.3	0.076	0.276	6.36	6.525	7.	7.17
00403	CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	12	6.9	6.717	7.2	6.3	0.084	0.29	6.36	6.525	7.	7.17
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	12	0.126	0.192	0.501	0.063	0.017	0.131	0.068	0.1	0.3	0.446
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	12	21.	21.	30.	17.	12.182	3.49	17.	19.	22.75	27.9
00500	RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	12	68.	67.917	87.	49.	119.902	10.95	50.8	57.75	76.	84.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	12	20.5	19.25	26.	9.	26.568	5.154	9.3	17.25	23.	25.1
00510	RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	12	47.5	48.667	64.	36.	67.879	8.239	37.2	42.5	55.25	62.5
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	6.	9.167	34.	3.	72.879	8.537	3.	4.25	11.75	27.7
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	12 ##	1.5	1.708	4.	1.5	0.521	0.722	1.5	1.5	1.5	3.25
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	12	4.	7.417	30.	1.5	60.765	7.795	1.5	3.25	9.75	24.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	12 ##	0.02	0.026	0.06	0.02	0.	0.014	0.02	0.02	0.02	0.057
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	12 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	12	0.52	0.473	0.71	0.02	0.044	0.21	0.056	0.378	0.64	0.692
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	12	0.25	0.275	0.5	0.1	0.013	0.114	0.13	0.2	0.375	0.47

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Annual Analysis for 1995 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	12 ##	0.05	0.071	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	12	4.3	4.142	5.4	2.3	1.006	1.003	2.45	3.175	4.975	5.34
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	04/16/92-12/10/98	12	26.5	27.583	35.	24.	10.992	3.315	24.3	25.	30.	33.8
00940	CHLORIDE, TOTAL IN WATER MG/L	08/10/94-12/10/98	12	5.5	5.583	8.	4.	1.356	1.165	4.	5.	6.	7.7
00945	SULFATE, TOTAL (MG/L AS SO ₄)	06/29/77-12/10/98	12	7.	7.083	9.	6.	0.992	0.996	6.	6.	8.	8.7
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	12	0.03	0.033	0.06	0.02	0.	0.012	0.02	0.023	0.04	0.057

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Annual Analysis for 1996 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	9	19.1	16.444	26.	4.3	78.86	8.88	4.3	7.3	25.	26.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	9	6.5	10.233	33.	4.	82.822	9.101	4.	5.3	12.6	33.
00078	TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	8	1.5	1.488	3.	0.3	0.793	0.89	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	9	81.	80.556	87.	75.	14.778	3.844	75.	77.5	83.5	87.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	9	79.	78.778	87.	73.	16.944	4.116	73.	75.5	81.	87.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	9	9.3	10.544	14.8	7.5	7.72	2.779	7.5	8.15	13.2	14.8
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	9 ##	0.5	0.667	1.	0.5	0.063	0.25	0.5	0.5	1.	1.
00400	PH (STANDARD UNITS)	06/24/76-12/10/98	8	7.25	7.187	7.5	6.3	0.141	0.376	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	8	7.247	6.973	7.5	6.3	0.194	0.44	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	8	0.057	0.106	0.501	0.032	0.026	0.16	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	9	7.1	7.144	7.5	6.8	0.053	0.23	6.8	6.95	7.35	7.5
00403	CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	9	7.1	7.092	7.5	6.8	0.056	0.236	6.8	6.95	7.35	7.5
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	9	0.079	0.081	0.158	0.032	0.002	0.042	0.032	0.045	0.113	0.158
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	02/21/91-12/10/98	9	22.	20.889	24.	17.	8.111	2.848	17.	17.5	23.5	24.
00500	RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	9	64.	67.222	96.	53.	199.444	14.122	53.	54.	76.5	96.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	9	23.	20.056	36.	2.5	114.278	10.69	2.5	9.5	26.5	36.
00510	RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	9	44.	47.	60.	34.	69.5	8.337	34.	42.	54.5	60.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	9	4.	7.167	26.	1.5	68.813	8.295	1.5	1.5	11.5	26.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	9 ##	1.5	1.833	3.	1.5	0.438	0.661	1.5	1.5	2.25	3.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	9	3.	6.	23.	1.5	53.125	7.289	1.5	1.5	9.5	23.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	9 ##	0.02	0.033	0.07	0.02	0.	0.021	0.02	0.02	0.055	0.07
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	9 ##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	9	0.54	0.553	0.79	0.39	0.015	0.12	0.39	0.455	0.63	0.79
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	9	0.2	0.239	0.6	0.05	0.03	0.173	0.05	0.1	0.35	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	9 ##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	6	2.4	3.35	7.7	1.9	4.971	2.23	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	04/16/92-12/10/98	9	26.	26.222	30.	22.	7.194	2.682	22.	24.	28.5	30.
00940	CHLORIDE, TOTAL IN WATER MG/L	08/10/94-12/10/98	9 ##	2.5	3.833	6.	2.5	2.625	1.62	2.5	2.5	5.5	6.
00945	SULFATE, TOTAL (MG/L AS SO ₄)	06/29/77-12/10/98	9	6.	6.222	7.	5.	0.444	0.667	5.	6.	7.	7.
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	9	0.02	0.029	0.06	0.01	0.	0.016	0.01	0.02	0.04	0.06

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1997 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	9	17.5	16.867	28.3	5.6	58.558	7.652	5.6	9.75	22.6	28.3
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	10	6.15	6.89	14.1	3.	13.072	3.616	3.04	3.4	9.35	13.7
00078	TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	9	1.8	1.733	3.	0.5	0.525	0.725	0.5	1.2	2.15	3.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	9	78.	78.	88.	68.	53.25	7.297	68.	72.	86.	88.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	10	76.5	80.	98.	66.	100.444	10.022	66.6	72.	89.25	97.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	9	9.4	9.856	13.4	7.	4.43	2.105	7.	8.	11.75	13.4
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	10 ##	0.5	0.7	1.	0.5	0.067	0.258	0.5	0.5	1.	1.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1997 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400 PH (STANDARD UNITS)	06/24/76-12/10/98	9	7.3	7.289	7.6	7.	0.051	0.226	7.	7.05	7.5	7.6
00400 CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	9	7.3	7.238	7.6	7.	0.054	0.233	7.	7.05	7.5	7.6
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	9	0.05	0.058	0.1	0.025	0.001	0.029	0.025	0.032	0.09	0.1
00403 PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	10	6.9	6.79	7.	6.1	0.085	0.292	6.14	6.65	7.	7.
00403 CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	10	6.9	6.674	7.	6.1	0.101	0.317	6.14	6.65	7.	7.
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	10	0.126	0.212	0.794	0.1	0.046	0.216	0.1	0.1	0.229	0.747
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	10	21.5	21.2	29.	15.	17.067	4.131	15.2	17.75	23.	28.7
00500 RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	9	64.	63.556	91.	51.	149.028	12.208	51.	54.5	68.	91.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	9	18.	18.778	30.	11.	35.444	5.954	11.	15.	23.	30.
00510 RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	9	44.	44.778	72.	29.	174.194	13.198	29.	35.5	53.	72.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	8	3.	5.125	17.	1.5	28.625	5.35	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	8##	1.5	1.688	3.	1.5	0.281	0.53	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	8##	2.25	4.125	14.	1.5	19.411	4.406	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	10##	0.02	0.025	0.05	0.02	0.	0.011	0.02	0.02	0.025	0.049
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	10##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.006	0.019
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	10	0.515	0.449	0.72	0.075	0.065	0.256	0.077	0.165	0.68	0.719
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	10	0.3	0.265	0.4	0.05	0.016	0.125	0.055	0.175	0.4	0.4
00665 PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	10##	0.075	0.075	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00900 HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	6	23.5	23.833	32.	20.	19.367	4.401	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	08/10/94-12/10/98	10	4.	4.4	8.	2.5	3.933	1.983	2.5	2.5	6.	7.8
00945 SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	10	7.	6.8	8.	5.	1.511	1.229	5.	5.75	8.	8.
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	10	0.035	0.036	0.08	0.01	0.	0.021	0.011	0.02	0.05	0.077

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1998 - Station FRSP0023

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	10	17.05	17.3	27.6	6.2	68.349	8.267	6.22	9.7	25.625	27.53
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	04/13/93-12/10/98	10	6.05	10.61	25.8	2.	86.754	9.314	2.12	3.65	21.175	25.69
00078 TRANSPARENCE, SECCHI DISC (METERS)	02/21/91-12/10/98	9	1.	1.356	3.	0.4	0.81	0.9	0.4	0.6	2.15	3.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	10	83.5	93.5	140.	64.	696.944	26.4	64.4	69.5	115.5	138.3
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	10	84.5	95.3	150.	64.	966.456	31.088	64.1	67.25	122.5	148.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	10	10.55	10.	13.	7.	4.211	2.052	7.06	7.75	11.5	12.94
00310 BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	10##	1.	1.2	2.	1.	0.178	0.422	1.	1.	1.25	2.
00400 PH (STANDARD UNITS)	06/24/76-12/10/98	10	7.2	7.34	8.6	6.9	0.234	0.484	6.91	7.	7.425	8.49
00400 CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	10	7.2	7.201	8.6	6.9	0.255	0.505	6.91	7.	7.425	8.49
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	10	0.063	0.063	0.126	0.003	0.001	0.037	0.005	0.038	0.1	0.123
00403 PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	10	6.55	6.53	6.7	6.4	0.011	0.106	6.4	6.4	6.6	6.69
00403 CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	10	6.547	6.518	6.7	6.4	0.011	0.107	6.4	6.4	6.6	6.69
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	10	0.284	0.303	0.398	0.2	0.005	0.074	0.205	0.251	0.398	0.398
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	10	27.	24.4	33.	15.	53.6	7.321	15.1	16.75	31.	32.8
00500 RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	9	71.	73.222	94.	58.	124.194	11.144	58.	65.	81.	94.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	9	21.	18.667	29.	5.	72.75	8.529	5.	10.5	26.	29.
00510 RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	9	53.	54.556	69.	41.	92.528	9.619	41.	46.5	63.	69.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	8	12.5	12.938	28.	1.5	103.603	10.179	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	8##	2.25	2.875	6.	1.5	2.839	1.685	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	8	8.5	10.063	24.	1.5	80.96	8.998	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	10##	0.02	0.024	0.04	0.02	0.	0.008	0.02	0.02	0.025	0.04
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	10##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	10	0.25	0.938	7.	0.02	4.58	2.14	0.025	0.078	0.603	6.361
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	10	0.2	0.385	1.4	0.05	0.153	0.392	0.065	0.2	0.525	1.32
00665 PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	10	0.1	0.12	0.3	0.1	0.004	0.063	0.1	0.1	0.1	0.28
00900 HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	7	34.	33.571	51.	25.	73.952	8.6	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	08/10/94-12/10/98	10	5.5	6.4	14.	2.5	17.489	4.182	2.5	2.5	10.25	13.7
00945 SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	10	7.	7.6	13.	5.	7.156	2.675	5.	5.	10.	12.7
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	10	0.04	0.062	0.27	0.02	0.006	0.074	0.021	0.03	0.055	0.25

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	52	25.4	23.087	31.	2.2	43.378	6.586	15.43	20.425	27.7	28.3
00078	TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	27	1.1	1.217	2.2	0.3	0.247	0.497	0.58	0.9	1.5	2.04
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	41	88.	93.22	140.	74.	259.926	16.122	76.2	83.	98.5	116.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	26	82.	87.231	150.	69.	282.025	16.794	72.	78.75	91.	108.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	41	7.8	7.993	10.4	6.2	1.04	1.02	6.68	7.3	8.8	9.64
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	42	1.	1.314	6.	0.5	1.326	1.151	0.5	0.5	1.55	2.7
00340	COD, 25N K2CR2O7 MG/L	03/21/91-12/10/98	17	10.	12.	29.	6.	32.375	5.69	6.8	8.	14.	21.8
00400	PH (STANDARD UNITS)	06/24/76-12/10/98	51	7.2	7.183	8.6	5.6	0.331	0.575	6.44	6.8	7.5	7.8
00400	CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	51	7.2	6.799	8.6	5.6	0.481	0.693	6.44	6.8	7.5	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	51	0.063	0.159	2.512	0.003	0.127	0.357	0.016	0.032	0.158	0.369
00403	PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	28	6.85	6.882	7.6	6.5	0.074	0.272	6.6	6.7	7.	7.23
00403	CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	28	6.847	6.815	7.6	6.5	0.079	0.281	6.6	6.7	7.	7.23
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	28	0.142	0.153	0.316	0.025	0.006	0.075	0.06	0.1	0.2	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	27	23.	23.704	31.	17.	15.37	3.921	17.8	21.	27.	30.
00500	RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	15	74.	73.2	96.	53.	200.457	14.158	53.6	63.	87.	94.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	15	21.	22.133	36.	9.	41.124	6.413	13.2	18.	26.	32.4
00510	RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	15	50.	51.067	72.	29.	154.638	12.435	32.6	44.	60.	70.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	41	6.	11.28	84.	0.5	217.763	14.757	3.	4.5	9.5	27.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	41	1.5	2.854	18.	0.	10.691	3.27	0.6	1.	3.5	6.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	41	5.	8.573	74.	0.	156.182	12.497	1.5	2.5	8.	22.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	27 ##	0.05	0.139	1.099	0.02	0.064	0.254	0.02	0.02	0.1	0.48
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	27 ##	0.005	0.033	0.58	0.005	0.012	0.11	0.005	0.005	0.01	0.062
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	17	0.32	0.323	0.64	0.02	0.053	0.23	0.02	0.082	0.54	0.632
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	39	0.4	0.477	1.599	0.2	0.099	0.315	0.2	0.3	0.5	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	27	0.05	0.075	0.3	0.04	0.003	0.052	0.04	0.05	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	30	4.1	5.19	15.	2.3	9.666	3.109	2.6	3.1	7.	9.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	19	30.	32.895	60.	23.	99.766	9.988	24.	26.	34.	51.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	18	6.5	7.056	13.	5.	3.467	1.862	5.	6.	8.	9.4
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/11/76-12/10/98	22	150.	6255.818	110000.	50.	548675079.965	23423.814	50.	50.	1325.	12460.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/11/76-12/10/98	22	2.151	2.476	5.041	1.699	0.876	0.936	1.699	1.699	3.117	4.03
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			299.364								
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	27	0.05	0.065	0.27	0.02	0.003	0.058	0.02	0.03	0.08	0.152

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	38	6.4	7.276	14.2	0.6	9.138	3.023	3.	5.475	9.725	11.45
00078	TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	31	1.8	1.745	3.3	0.3	1.014	1.007	0.42	0.8	2.5	3.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	38	80.5	84.816	137.	64.	240.154	15.497	70.	75.	90.25	112.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	29	82.	84.931	130.	65.	252.138	15.879	68.	74.5	89.	115.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	38	11.95	12.158	15.6	9.7	1.508	1.228	10.76	11.275	12.825	13.65
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	29	1.	0.997	2.	0.5	0.207	0.456	0.5	0.5	1.	2.
00340	COD, 25N K2CR2O7 MG/L	03/21/91-12/10/98	16	8.5	7.531	13.	2.5	15.182	3.896	2.5	2.5	10.75	13.
00400	PH (STANDARD UNITS)	06/24/76-12/10/98	33	7.03	6.983	7.6	6.4	0.117	0.342	6.54	6.6	7.2	7.46
00400	CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	33	7.03	6.859	7.6	6.4	0.133	0.365	6.54	6.6	7.2	7.46
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	33	0.093	0.138	0.398	0.025	0.01	0.102	0.035	0.063	0.251	0.29
00403	PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	29	6.8	6.921	8.	6.1	0.25	0.5	6.4	6.5	7.35	7.8
00403	CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	29	6.8	6.705	8.	6.1	0.298	0.546	6.4	6.5	7.35	7.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	29	0.158	0.197	0.794	0.01	0.032	0.178	0.016	0.045	0.316	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	29	18.	20.414	35.	12.	35.037	5.919	15.	17.	24.5	31.
00500	RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	15	67.	66.4	86.	55.	91.543	9.568	55.	56.	71.	81.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	15	20.	17.7	29.	2.5	69.136	8.315	4.	11.	26.	27.8
00510	RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	15	50.	48.6	59.	34.	63.971	7.998	35.2	44.	56.	59.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	32	4.	7.688	33.	1.	73.254	8.559	1.5	1.5	12.75	21.9
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	32 ##	1.5	1.719	5.	0.	1.047	1.023	1.	1.5	1.5	3.7

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	32	3.	6.469	28.	1.	52.564	7.25	1.5	1.5	10.75	18.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	15 ##	0.02	0.024	0.06	0.02	0.	0.011	0.02	0.02	0.02	0.048
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	15 ##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.007
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	15	0.64	0.999	7.	0.08	2.795	1.672	0.146	0.54	0.71	3.274
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	28	0.2	0.218	0.5	0.05	0.012	0.108	0.095	0.2	0.2	0.41
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	28	0.05	0.056	0.11	0.005	0.001	0.032	0.02	0.03	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/11/76-08/08/96	19	3.	3.358	7.	1.7	2.278	1.509	1.8	1.9	4.6	5.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	19	28.	29.211	42.	20.	30.064	5.483	24.	25.	34.	36.
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	17	7.	7.353	10.	6.	1.493	1.222	6.	6.5	8.	10.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/11/76-12/10/98	17	50.	148.882	500.	33.	21596.36	146.957	42.6	50.	270.	420.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/11/76-12/10/98	17	1.699	1.988	2.699	1.519	0.161	0.402	1.626	1.699	2.429	2.621
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			97.167								
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	15	0.03	0.033	0.06	0.02	0.	0.013	0.02	0.02	0.04	0.054

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0023

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/24/76-12/10/98	37	20.	19.611	29.9	9.	33.62	5.798	11.68	14.65	24.5	27.92
00078	TRANSPARENCY, SECCHI DISC (METERS)	02/21/91-12/10/98	31	1.25	1.387	3.2	0.15	0.569	0.754	0.36	0.9	1.8	2.48
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	02/21/91-12/10/98	31	78.	79.355	92.	66.	45.903	6.775	68.2	75.	83.	89.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-12/10/98	30	74.5	75.767	132.	62.	157.84	12.563	64.2	68.75	78.25	84.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	02/21/91-12/10/98	31	9.1	9.113	12.3	6.7	2.19	1.48	6.8	8.2	10.3	11.18
00310	BOD, 5 DAY, 20 DEG C MG/L	05/11/76-12/10/98	38	1.	1.092	2.7	0.5	0.334	0.578	0.5	0.5	1.125	2.
00340	COD, 25N K2CR207 MG/L	03/21/91-12/10/98	14	8.5	8.75	16.	2.5	20.913	4.573	2.5	5.125	13.	16.
00400	PH (STANDARD UNITS)	06/24/76-12/10/98	37	7.3	7.114	7.8	6.	0.224	0.473	6.4	6.7	7.5	7.62
00400	CONVERTED PH (STANDARD UNITS)	06/24/76-12/10/98	37	7.3	6.844	7.8	6.	0.299	0.547	6.4	6.7	7.5	7.62
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/24/76-12/10/98	37	0.05	0.143	1.	0.016	0.037	0.191	0.024	0.032	0.2	0.398
00403	PH, LAB, STANDARD UNITS SU	02/21/91-12/10/98	30	6.9	6.913	7.6	6.4	0.081	0.284	6.5	6.775	7.1	7.29
00403	CONVERTED PH, LAB, STANDARD UNITS	02/21/91-12/10/98	30	6.9	6.828	7.6	6.4	0.088	0.297	6.5	6.775	7.1	7.29
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/91-12/10/98	30	0.126	0.149	0.398	0.025	0.01	0.098	0.051	0.079	0.169	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/21/91-12/10/98	30	20.5	20.	26.	14.	8.069	2.841	16.1	17.	22.	23.9
00500	RESIDUE, TOTAL (MG/L)	06/16/92-12/10/98	10	63.5	60.4	76.	47.	95.6	9.778	47.2	50.5	68.25	75.3
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/16/92-12/10/98	10	16.5	16.3	26.	9.	38.233	6.183	9.	9.75	21.5	25.7
00510	RESIDUE, TOTAL FIXED (MG/L)	06/16/92-12/10/98	10	42.5	44.1	67.	35.	82.322	9.073	35.1	39.	45.5	65.3
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/11/76-12/10/98	38	5.	11.816	88.	1.	259.208	16.1	1.5	3.75	14.25	30.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/11/76-12/10/98	38	1.5	2.382	10.	0.	4.006	2.001	0.95	1.	4.	4.2
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/11/76-12/10/98	38	3.5	9.605	78.	0.	210.435	14.506	1.4	1.5	11.5	26.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/11/76-12/10/98	19 ##	0.05	0.065	0.3	0.02	0.005	0.073	0.02	0.02	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/11/76-12/10/98	19	0.01	0.049	0.75	0.005	0.029	0.17	0.005	0.005	0.01	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/24/76-12/10/98	12	0.41	0.394	0.61	0.01	0.028	0.166	0.064	0.345	0.53	0.595
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/11/76-12/10/98	36	0.3	0.31	0.6	0.05	0.021	0.143	0.1	0.2	0.4	0.53
00665	PHOSPHORUS, TOTAL (MG/L AS P)	02/21/91-12/10/98	28	0.05	0.061	0.19	0.02	0.001	0.038	0.02	0.03	0.095	0.102
00680	CARBON, TOTAL ORGANIC (MG/L AS CACO3)	05/11/76-08/08/96	34	3.5	3.499	7.	0.05	2.092	1.446	1.8	2.4	4.325	5.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/92-12/10/98	21	26.	27.381	40.	20.	27.248	5.22	22.	24.	31.	37.2
00945	SULFATE, TOTAL (MG/L AS SO4)	06/29/77-12/10/98	12	6.	5.917	8.	5.	0.811	0.9	5.	5.	6.	7.7
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/11/76-12/10/98	24	100.	431.958	3500.	15.	580816.389	762.113	20.	50.	497.5	1250.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/11/76-12/10/98	24	2.	2.193	3.544	1.176	0.406	0.637	1.301	1.699	2.697	3.05
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			156.042								
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/11/76-12/10/98	19	0.02	0.028	0.1	0.005	0.001	0.024	0.005	0.01	0.03	0.07

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0024

NPS Station ID: FRSP0024

Location: NO NAME

Station Type: /TYP/A/MBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02080105

Depth of Water: 0

Elevation: 63

RF1 Index: 02080105

RF3 Index: RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

Description:

THESE DATA WERE COLLECTED DURING PHASE I OF THE NATIONAL STREAM AQUATIC EFFECTS RESEARCH PROGRAM UNDER THE NATIONAL ACID SURVEY AS PART OF EPA'S NATIONAL SURFACE WATER SURVEY AND PRECIPITATION ASSESSMENT PROGRAM. THE SURVEY DESIGN, METHODS, AND DATA LIMITATIONS ARE DESCRIBED IN: KAUFMANN, P.R., ET AL. 1988. CHEMICAL CHARACTERISTICS OF STREAMS, IN THE MID-ATLANTIC AND SOUTHEASTERN UNITED STATES. VOL.I: POPULATION DESCRIPTIONS AND PHYSICO-CHEMICAL RELATIONSHIPS. EPA/600/3-88/021A, U.S. ENVIRON. PROT. AGENCY, WASHINGTON, D.C. THE DATA IN STORET ARE THOSE REPORTED IN KAUFMANN ET AL. (1988) WITH THE FOLLOWING EXCEPTIONS: (1) UNITS FOR CHEMICAL PARAMETERS ARE TYPICALLY IN MG/L RATHER THAN MICROEQ/L; (2) NO SUBSTITUTED VALUES ARE PROVIDED FOR SUSPECT DATA; (3) TAGS AND FLAGS USED TO IDENTIFY SUSPICIOUS DATA ARE NOT SHOWN; (4) CALCULATED OR DERIVED VARIABLES ARE EXCLUDED.

LAT/LON: 38.206392/ -77.449449

Agency: 12NSS

FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA

STORET Station ID(s): 3B048082U/3B03B048082U

Within Park Boundary: No

Date Created: 10/22/88

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: FRSP0024

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/21/86-04/04/86	2	10.1	10.1	12.1	8.1	8.	2.828	**	**	**
00064	DEPTH OF STREAM, MEAN (FT)	03/21/86-04/04/86	2	0.3	0.3	0.3	0.	0.		**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	04/04/86-04/04/86	1	5.	5.	5.	5.	0.		**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/21/86-04/04/86	2	28.	28.	31.	25.	18.	4.243	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/21/86-04/04/86	2	8.15	8.15	8.5	7.8	0.245	0.495	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/21/86-04/04/86	2	5.1	5.1	5.1	5.1	0.	0.	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/21/86-04/04/86	2	5.1	5.1	5.1	5.1	0.	0.	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/21/86-04/04/86	2	7.943	7.943	7.943	7.943	0.	0.	**	**	**
00409	ALKALINITY,TOTAL,LOW LEVEL GRAN ANALYSIS UEQ/L	03/21/86-04/04/86	2	5.8	5.8	8.1	3.5	10.58	3.253	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	03/21/86-04/04/86	2	0.45	0.45	0.5	0.4	0.005	0.071	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	03/21/86-04/04/86	2	0.003	0.003	0.005	0.001	0.	0.003	**	**	**
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	03/21/86-04/04/86	2	1.25	1.25	1.4	1.1	0.045	0.212	**	**	**
00691	CARBON, DISSOLVED INORGANIC (MG/L AS C)	03/21/86-04/04/86	2	1.45	1.45	1.7	1.2	0.125	0.354	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	03/21/86-04/04/86	2	0.5	0.5	0.5	0.5	0.	0.	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	03/21/86-04/04/86	2	0.9	0.9	0.9	0.9	0.	0.	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	03/21/86-04/04/86	2	1.755	1.755	1.8	1.71	0.004	0.064	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/21/86-04/04/86	2	1.1	1.1	1.16	1.04	0.007	0.085	**	**	**
00941	CHLORIDE, DISSOLVED IN WATER MG/L	03/21/86-04/04/86	2	4.	4.	4.	4.	0.	0.	**	**	**
00946	SULFATE, DISSOLVED (MG/L AS SO4)	03/21/86-04/04/86	2	3.9	3.9	4.1	3.7	0.08	0.283	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0024

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	03/21/86-04/04/86	2	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	03/21/86-04/04/86	2	6.75	6.75	7.5	6.	1.125	1.061	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	03/21/86-04/04/86	2	62.	62.	67.	57.	50.	7.071	**	**	**	**
01105	ALUMINUM, TOTAL (UG/L AS AL)	03/21/86-04/04/86	2	107.5	107.5	142.	73.	2380.5	48.79	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	03/21/86-04/04/86	2	0.095	0.095	0.1	0.09	0.	0.007	**	**	**	**
71885	IRON (UG/L AS FE)	03/21/86-04/04/86	2	91.435	91.435	93.93	88.94	12.45	3.528	**	**	**	**
72020	ELEVATION IN FEET ABOVE MEAN SEA LEVEL	03/21/86-04/04/86	2	208.	208.	208.	208.	0.	0.	**	**	**	**
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	04/04/86-04/04/86	1	2.	2.	2.	2.	0.	0.	**	**	**	**
83509	STREAM, WIDTH METER	03/21/86-04/04/86	2	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0024

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00			1	0	0.00	1	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	2	0	0.00			1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00			1	1	1.00	1	1	1.00			
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	2	2	1.00			1	1	1.00	1	1	1.00			
00941	CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	2	0	0.00			1	0	0.00	1	0	0.00			
		Drinking Water	250.	2	0	0.00			1	0	0.00	1	0	0.00			
00946	SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	2	0	0.00			1	0	0.00	1	0	0.00			
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	2	0	0.00			1	0	0.00	1	0	0.00			
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	2	0	0.00			1	0	0.00	1	0	0.00			
82079	TURBIDITY, LAB	Other-Hi Lim.	50.	1	0	0.00						1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0025

NPS Station ID: FRSP0025
 Location: ROUTE 627
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes: 0215002 002980
 RMI-Miles: 0109.04 0003.96
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VIRGINIA
 RIVER: CLAIBORN RUN SECTION: 04 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

LAT/LON: 38.345559/-77.453060

Agency: 21VASWCB
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): 3-CLB003.96 /VA3-04-X0080/VA3-3X0080
 Within Park Boundary: No

Date Created: 09/19/78

Depth of Water: 0

Elevation: 0

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

Parameter Inventory for Station: FRSP0025

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	89	12.5	12.747	24.	0.1	50.245	7.088	2.3	7.	19.3
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	82	97.	113.159	1190.	66.	15461.345	124.344	73.3	82.	110.25
00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	93	9.4	9.914	14.6	6.4	4.072	2.018	7.54	8.2	11.8
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	82	2.	1.817	12.	0.5	2.12	1.456	1.	1.	2.
00340	COD, .25N K2CR2O7 MG/L	07/30/79-06/17/87	82	14.	14.024	45.	0.5	57.277	7.568	6.	9.75	18.
00400	PH (STANDARD UNITS)	03/07/78-06/17/87	93	6.5	6.501	7.7	5.3	0.173	0.416	6.	6.25	6.8
00400	CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	93	6.5	6.295	7.7	5.3	0.216	0.464	6.	6.25	6.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	93	0.316	0.507	5.012	0.02	0.445	0.667	0.1	0.158	0.566
00403	PH, LAB, STANDARD UNITS SU	02/23/83-06/17/87	10	6.35	6.33	6.7	5.9	0.069	0.263	5.92	6.1	6.55
00403	CONVERTED PH, LAB, STANDARD UNITS	02/23/83-06/17/87	10	6.347	6.26	6.7	5.9	0.074	0.273	5.92	6.1	6.55
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/23/83-06/17/87	10	0.45	0.549	1.259	0.2	0.109	0.33	0.2	0.287	0.794
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	02/23/83-06/17/87	10	11.5	12.	22.	6.	22.222	4.714	6.2	8.75	14.75
00500	RESIDUE, TOTAL (MG/L)	07/30/79-10/29/79	4	83.	95.	134.	80.	680.667	26.09	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-10/29/79	4	32.5	218.75	800.	10.	150306.25	387.694	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-10/29/79	4	65.	192.75	600.	41.	73856.917	271.766	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	82	8.	16.067	200.	2.5	731.369	27.044	2.5	5.	14.25
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	82	4.	5.049	30.	0.	23.745	4.873	2.	2.5	6.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	82	4.	9.348	82.	0.	199.689	14.131	2.	2.5	9.25
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	87 ##	0.05	0.079	0.4	0.05	0.003	0.05	0.05	0.05	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	88 ##	0.005	0.014	0.5	0.005	0.003	0.053	0.005	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	80	0.39	0.441	1.3	0.13	0.063	0.251	0.18	0.273	0.53
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	84	0.4	0.438	1.7	0.1	0.067	0.259	0.2	0.3	0.5
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/07/78-05/01/79	8	0.39	0.375	0.6	0.15	0.036	0.189	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	76 ##	0.05	0.078	0.3	0.05	0.002	0.046	0.05	0.05	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	80	0.02	0.031	0.15	0.005	0.001	0.024	0.01	0.02	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	81	6.	7.185	18.	1.	11.128	3.336	4.	5.	9.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	03/13/79-03/13/79	1	2.61	2.61	2.61	2.61	0.	0.	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	02/26/86-02/26/86	1	21.	21.	21.	21.	0.	0.	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/07/78-07/09/86	10 ##	0.5	0.65	1.	0.5	0.058	0.242	0.5	0.5	1.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/16/80-08/19/86	7	1.6	3.786	12.	0.7	17.025	4.126	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/18/83-07/18/83	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/16/83-08/19/86	3 ##	0.9	0.917	1.05	0.8	0.016	0.126	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/07/78-07/09/86	10 ##	2.75	5.75	30.	0.5	82.847	9.102	0.5	0.5	6.25

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01028	CADMUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-08/19/86	7##	0.09	0.114	0.3	0.05	0.007	0.084	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-08/19/86	7	8.5	8.714	13.4	5.3	9.065	3.011	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/07/78-07/09/86	10##	3.	3.85	10.	0.5	14.392	3.794	0.5	0.5	6.25	10.
01042	COPPER, TOTAL (UG/L AS CU)	03/07/78-07/09/86	10##	5.	5.5	10.	5.	2.5	1.581	5.	5.	5.	9.5
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/16/80-08/19/86	7	3.5	3.661	7.6	1.7	4.557	2.135	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/13/78-10/29/79	3	1140.	1486.667	2700.	620.	1171733.333	1082.466	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/13/78-07/09/86	9	4.	3.944	9.	0.5	9.653	3.107	0.5	1.	6.5	9.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/16/80-08/19/86	7	21.	19.164	30.4	5.75	58.386	7.641	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/78-10/29/79	3	80.	86.667	100.	80.	133.333	11.547	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	07/18/83-07/18/83	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	03/07/78-03/13/79	3##	50.	38.333	60.	5.	858.333	29.297	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/29/79-07/09/86	7##	10.	26.429	90.	5.	1047.619	32.367	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-08/19/86	7	3.05	2.764	4.2	1.4	1.384	1.176	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/07/78-07/09/86	10##	7.5	11.5	40.	5.	122.5	11.068	5.	5.	12.5	38.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/16/80-08/19/86	7	16.4	27.356	91.1	7.49	849.109	29.139	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/18/83-07/18/83	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/16/83-08/19/86	4##	0.975	2.188	6.	0.8	6.471	2.544	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	86	200.	542.442	8000.	50.	1388324.555	1178.272	50.	50.	525.	1100.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	86	2.301	2.299	3.903	1.699	0.328	0.573	1.699	1.699	2.719	3.041
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		199.237									
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34480	THALLIUM DRY WGTBOTMG/KG	05/16/83-08/19/86	4##	0.95	1.425	3.	0.8	1.109	1.053	**	**	**	**
34671	PCB - 1016 TOTWUG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/10/85-07/09/86	2##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38451	DICHLORPROP WATER,SUSPUG/L	07/10/85-07/09/86	2##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38745	2,4-DB WATER, TOTUG/L	07/10/85-07/09/86	2##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/27/79-07/09/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/24/85-08/19/86	3##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39071	CHLORDANE-NONACHLOR TPANS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39305	P,O' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	9	0.	0.011	0.05	0.	0.	0.022	0.	0.	0.025	0.05
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/29/81-06/06/84	4	0.	0.005	0.02	0.	0.	0.01	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/85-08/19/86	3##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-08/19/86	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/09/86	6	0.	0.017	0.05	0.	0.001	0.026	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-08/19/86	3##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/85-08/19/86	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	2##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/09/86	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/24/85-08/19/86	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39630	ATRAZINE(ATREX) IN WHOLE WATER SAMPLE (UG/L)	09/20/82-08/21/84	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/29/81-06/06/84	4	0.	0.025	0.1	0.	0.003	0.05	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/09/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	04/29/81-09/10/85	8	0.	0.025	0.2	0.	0.005	0.071	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/07/78-05/01/79	8 ##	0.05	0.081	0.2	0.05	0.003	0.053	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/07/78-05/01/79	8	0.02	0.023	0.08	0.005	0.001	0.024	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	03/07/78-07/09/86	10 ##	0.15	0.195	0.5	0.15	0.012	0.112	0.15	0.15	0.15	0.475
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/16/80-08/19/86	7 ##	0.05	0.059	0.1	0.03	0.001	0.029	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	07/10/85-07/09/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0025

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	93	0	0.00	24	0	0.00	43	0	0.00	26	0	0.00	26	0	0.00
00400	PH	Fresh Chronic	9.	93	0	0.00	24	0	0.00	43	0	0.00	26	0	0.00	13	0.50	
00403	PH, LAB	Other-Lo Lim.	6.5	93	50	0.54	24	10	0.42	43	27	0.63	26	13	0.50			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	88	0	0.00	22	0	0.00	41	0	0.00	25	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	80	0	0.00	20	0	0.00	37	0	0.00	23	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	8	0	0.00	2	0	0.00	4	0	0.00	2	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
01002	ARSENIC, TOTAL	Fresh Acute	360.	10	0	0.00	6	0	0.00	4	0	0.00						
		Drinking Water	50.	10	0	0.00	6	0	0.00	4	0	0.00						
01012	BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00	1	0	0.00									
		Drinking Water	4.	1	0	0.00	1	0	0.00									
01027	CADMIUM, TOTAL	Fresh Acute	3.9	7 &	2	0.29	5	0	0.00	2	2	1.00						
		Drinking Water	5.	7 &	2	0.29	5	0	0.00	2	2	1.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	10	0	0.00	6	0	0.00	4	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	10	0	0.00	6	0	0.00	4	0	0.00						
		Drinking Water	1300.	10	0	0.00	6	0	0.00	4	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	9	0	0.00	6	0	0.00	3	0	0.00						
		Drinking Water	15.	9	0	0.00	6	0	0.00	3	0	0.00						
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00									
		Drinking Water	2.	1	0	0.00	1	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	3	0	0.00				3	0	0.00						
		Drinking Water	100.	3	0	0.00				3	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	7	0	0.00	6	0	0.00	1	0	0.00						
		Drinking Water	100.	7	0	0.00	6	0	0.00	1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	10	0	0.00	6	0	0.00	4	0	0.00						
		Drinking Water	5000.	10	0	0.00	6	0	0.00	4	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	86	45	0.52	24	13	0.54	38	13	0.34	24	19	0.79			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	2	0	0.00	2	0	0.00									
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	2	0	0.00	2	0	0.00									
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLING	Fresh Acute	20.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			
		Drinking Water	1.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0025

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00
39310 P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	9	0	0.00	7	0	0.00	1	0	0.00	1	0	0.00
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	2	0	0.00	2	0	0.00						
	Drinking Water	0.2	2	0	0.00	2	0	0.00						
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
	Drinking Water	2.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00
	Drinking Water	2.	6	0	0.00	4	0	0.00	1	0	0.00	1	0	0.00
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	2	0	0.00	2	0	0.00						
	Drinking Water	3.	2	0	0.00	2	0	0.00						
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	2	0	0.00						
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	2	0	0.00	2	0	0.00						
	Drinking Water	0.2	2	0	0.00	2	0	0.00						
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	3	0	0.00	3	0	0.00						
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
	Drinking Water	1.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	2	0	0.00	2	0	0.00						
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	2	0	0.00	2	0	0.00						
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	8	1	0.13	2	1	0.50	2	0	0.00	4	0	0.00
71900 MERCURY, TOTAL	Fresh Acute	2.4	10	0	0.00	6	0	0.00	4	0	0.00			
	Drinking Water	2.	10	0	0.00	6	0	0.00	4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1978 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	6	15.9	15.383	24.	2.	65.822	8.113	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	6	7.7	8.433	12.1	7.6	3.243	1.801	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/78-06/17/87	6	6.45	6.4	6.7	6.1	0.064	0.253	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	6	6.447	6.338	6.7	6.1	0.069	0.262	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	6	0.357	0.459	0.794	0.2	0.072	0.268	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	5 ##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	5 ##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	5	0.3	0.34	0.5	0.1	0.028	0.167	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	5 ##	50.	230.	800.	50.	105750.	325.192	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	5 ##	1.699	2.06	2.903	1.699	0.29	0.538	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	114.87								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	10	12.	13.53	24.	5.	37.398	6.115	5.2	8.875	18.825	23.73
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	6	88.	94.5	143.	74.	675.9	25.998	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	10	9.7	9.89	12.	8.	1.748	1.322	8.04	9.	10.825	11.98
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	6	1.	1.167	2.	1.	0.167	0.408	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	07/30/79-06/17/87	6	14.	15.	23.	9.	24.	4.899	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/78-06/17/87	10	6.5	6.49	7.	6.2	0.054	0.233	6.21	6.3	6.6	6.96
00400	CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	10	6.5	6.441	7.	6.2	0.057	0.239	6.21	6.3	6.6	6.96
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	10	0.316	0.362	0.631	0.1	0.027	0.163	0.115	0.251	0.501	0.618
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	6	11.5	43.5	200.	5.	5927.5	76.99	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	6	4.5	5.083	9.	2.	8.242	2.871	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	6	7.5	8.333	17.	3.	24.667	4.967	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	9 ##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	9 ##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	6	0.205	0.22	0.33	0.13	0.006	0.075	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	8	0.4	0.438	0.7	0.2	0.026	0.16	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	5	0.1	0.1	0.2	0.05	0.004	0.061	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	6	0.02	0.019	0.04	0.005	0.	0.012	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	6	8.5	7.5	10.	1.	10.7	3.271	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	9	100.	200.	700.	50.	51250.	226.385	50.	50.	350.	700.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	9	2.	2.08	2.845	1.699	0.201	0.448	1.699	1.699	2.54	2.845
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	120.231								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	10	10.25	10.57	19.5	0.5	45.689	6.759	0.85	4.6	18.175	19.45
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	10	88.5	92.4	139.	75.	387.822	19.693	75.1	76.	100.5	135.3
00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	10	10.3	10.41	12.1	8.2	2.343	1.531	8.24	9.125	11.95	12.1
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	10	1.	1.4	2.	1.	0.267	0.516	1.	1.	2.	2.
00340	COD, 25N K2CR2O7 MG/L	07/30/79-06/17/87	10	9.	10.55	21.	0.5	65.136	8.071	0.55	3.25	20.	20.9
00400	PH (STANDARD UNITS)	03/07/78-06/17/87	10	6.7	6.66	7.2	6.3	0.112	0.334	6.3	6.3	6.95	7.19
00400	CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	10	6.7	6.558	7.2	6.3	0.123	0.351	6.3	6.3	6.95	7.19
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	10	0.2	0.277	0.501	0.063	0.032	0.18	0.065	0.114	0.501	0.501
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	10	6.5	12.3	38.	2.5	143.067	11.961	2.5	4.375	18.25	37.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	10	2.5	3.3	10.	1.	7.733	2.781	1.	1.	5.	9.5
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	10	5.5	9.75	28.	2.	99.347	9.967	2.05	2.5	15.75	27.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	9	0.1	0.078	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	10 ##	0.005	0.057	0.5	0.005	0.024	0.156	0.005	0.005	0.013	0.452
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	10	0.475	0.466	0.7	0.27	0.015	0.122	0.28	0.37	0.525	0.69
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	10	0.25	0.25	0.4	0.1	0.012	0.108	0.1	0.175	0.325	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	10 ##	0.075	0.075	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	10	0.02	0.019	0.04	0.01	0.	0.01	0.01	0.01	0.023	0.039
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	10	9.5	8.7	12.	4.	7.122	2.669	4.2	6.	10.5	12.
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	10	100.	260.	1300.	50.	154888.889	393.559	50.	50.	350.	1220.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	10	2.	2.109	3.114	1.699	0.245	0.495	1.699	1.699	2.533	3.072
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		128.408							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	12	14.	12.725	22.8	1.3	59.469	7.712	1.6	5.375	19.45	22.56
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	12	108.5	106.833	145.	67.	374.879	19.362	74.8	94.5	113.25	140.5
00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	12	8.9	9.808	13.8	6.5	6.386	2.527	6.74	7.75	12.55	13.59
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	12	1.	1.667	4.	1.	0.97	0.985	1.	1.	2.	3.7
00340	COD, .25N K2CR2O7 MG/L	07/30/79-06/17/87	12	11.	11.417	23.	2.	35.356	5.946	2.9	7.25	15.5	21.8
00400	PH (STANDARD UNITS)	03/07/78-06/17/87	12	6.4	6.525	7.7	6.2	0.18	0.425	6.2	6.225	6.725	7.43
00400	CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	12	6.4	6.411	7.7	6.2	0.194	0.441	6.2	6.225	6.725	7.43
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	12	0.398	0.388	0.631	0.02	0.041	0.203	0.062	0.198	0.599	0.631
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	12	7.	7.25	19.	2.5	23.932	4.892	2.5	2.5	10.	16.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	12	2.5	4.	14.	2.	11.909	3.451	2.	2.	5.	11.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	12	4.	4.083	8.	2.	3.447	1.857	2.15	2.5	5.	7.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	12 ##	0.05	0.062	0.1	0.05	0.001	0.023	0.05	0.05	0.088	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	12 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.009	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	12	0.335	0.383	0.8	0.2	0.026	0.163	0.2	0.293	0.475	0.71
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	12	0.4	0.392	0.6	0.1	0.024	0.156	0.13	0.3	0.5	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	12 ##	0.05	0.062	0.1	0.05	0.001	0.023	0.05	0.05	0.088	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	12	0.02	0.028	0.1	0.01	0.001	0.024	0.01	0.02	0.03	0.079
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	12	6.5	6.917	13.	1.	11.174	3.343	1.9	4.25	9.5	12.4
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	12	100.	312.5	1600.	50.	200965.909	448.292	50.	50.	450.	1300.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	12	2.	2.178	3.204	1.699	0.279	0.529	1.699	1.699	2.644	3.076
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		150.497							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	8	11.25	10.375	23.	0.1	65.476	8.092	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	11	110.	104.545	121.	71.	219.873	14.828	74.6	96.	115.	120.8
00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	12	10.05	10.192	13.1	7.5	3.864	1.966	7.68	8.4	12.1	13.07
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	11	2.	2.	5.	1.	1.4	1.183	1.	1.	2.	4.6
00340	COD, .25N K2CR2O7 MG/L	07/30/79-06/17/87	11	14.	17.727	45.	10.	96.018	9.799	10.4	12.	19.	40.6
00400	PH (STANDARD UNITS)	03/07/78-06/17/87	12	6.45	6.492	7.	6.	0.09	0.3	6.03	6.3	6.775	6.94
00400	CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	12	6.447	6.4	7.	6.	0.099	0.315	6.03	6.3	6.775	6.94
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	12	0.357	0.398	1.	0.1	0.074	0.272	0.118	0.169	0.501	0.938
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	11	5.	16.136	58.	2.5	320.055	17.89	2.5	2.5	29.	53.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	11	2.5	7.045	30.	2.	71.473	8.454	2.	2.	7.	26.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	11	3.	9.773	44.	2.5	167.618	12.947	2.5	2.5	14.	39.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	11	0.1	0.095	0.2	0.05	0.003	0.057	0.05	0.05	0.1	0.2

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Annual Analysis for 1982 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	11	0.01	0.009	0.02	0.005	0.	0.004	0.005	0.005	0.01	0.018
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	11	0.49	0.6	1.3	0.3	0.102	0.32	0.302	0.32	0.79	1.24
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	11	0.5	0.464	0.9	0.1	0.071	0.266	0.12	0.2	0.7	0.88
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	11 ##	0.05	0.1	0.3	0.05	0.007	0.081	0.05	0.05	0.1	0.28
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	11	0.02	0.03	0.08	0.005	0.001	0.022	0.006	0.02	0.04	0.076
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	11	5.	6.545	17.	2.	17.073	4.132	2.4	4.	9.	15.4
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	9	200.	1655.556	8000.	50.	8054652.778	2838.072	50.	75.	2850.	8000.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	9	2.301	2.586	3.903	1.699	0.646	0.804	1.699	1.849	3.297	3.903
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	385.53								

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Annual Analysis for 1983 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	11	10.7	11.336	23.	2.	48.013	6.929	2.6	6.2	15.	22.96
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	11	97.	90.182	112.	66.	241.164	15.529	66.8	78.	103.	110.8
00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	11	11.4	10.509	13.	7.	3.401	1.844	7.32	9.2	12.1	12.84
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	11	2.	2.727	4.	1.	1.218	1.104	1.2	2.	4.	4.
00340	COD, .25N K2CR2O7 MG/L	07/30/79-06/17/87	11	20.	18.455	39.	6.	102.673	10.133	6.2	11.	26.	37.
00400	PH (STANDARD UNITS)	03/07/78-06/17/87	11	6.2	6.277	7.	5.8	0.22	0.469	5.8	5.8	6.65	7.
00400	CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	11	6.2	6.096	7.	5.8	0.256	0.506	5.8	5.8	6.65	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	11	0.631	0.802	1.585	0.1	0.383	0.619	0.1	0.224	1.585	1.585
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	11	11.	30.591	110.	2.5	1355.041	36.811	3.2	6.	69.	102.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	11	6.	7.864	28.	0.	64.205	8.013	0.4	2.5	8.	25.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	11	4.	22.955	82.	0.	905.023	30.084	0.2	2.5	52.	79.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	11 ##	0.05	0.1	0.4	0.05	0.011	0.102	0.05	0.05	0.1	0.34
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	11 ##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.018
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	11	0.32	0.469	1.3	0.16	0.127	0.357	0.164	0.22	0.7	1.22
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	11	0.4	0.568	1.7	0.2	0.219	0.468	0.21	0.3	0.7	1.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	11 ##	0.05	0.068	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	11	0.04	0.037	0.06	0.005	0.	0.016	0.006	0.03	0.05	0.058
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	11	10.	9.273	18.	3.	23.618	4.86	3.2	5.	13.	17.4
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	11	300.	950.	5800.	50.	2783500.	1668.382	60.	100.	1000.	4920.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	11	2.477	2.568	3.763	1.699	0.365	0.604	1.759	2.	3.	3.64
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	369.519								

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Annual Analysis for 1984 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	11	13.	12.173	20.5	1.	54.25	7.365	1.34	6.	19.2	20.4
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	11	84.	82.182	97.	69.	76.364	8.739	69.2	73.	88.	95.8
00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	11	10.	10.536	14.6	8.4	4.891	2.211	8.4	8.6	12.4	14.3
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	11	1.	1.409	2.	0.5	0.341	0.584	0.6	1.	2.	2.
00340	COD, .25N K2CR2O7 MG/L	07/30/79-06/17/87	11	10.	11.136	19.	0.5	50.005	7.071	0.8	6.	18.	19.
00400	PH (STANDARD UNITS)	03/07/78-06/17/87	11	6.7	6.609	7.	5.5	0.177	0.421	5.66	6.6	6.9	7.
00400	CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	11	6.7	6.317	7.	5.5	0.271	0.52	5.66	6.6	6.9	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	11	0.2	0.482	3.162	0.1	0.803	0.896	0.1	0.126	0.251	2.63
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	11	7.	8.864	39.	2.5	112.405	10.602	2.5	2.5	9.	33.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	11	3.	3.864	7.	2.5	2.705	1.645	2.5	2.5	5.	6.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	11	2.5	6.136	33.	2.	82.405	9.078	2.	2.5	6.	27.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	11 ##	0.05	0.073	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	11 ##	0.005	0.006	0.02	0.005	0.	0.005	0.005	0.005	0.005	0.017

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Annual Analysis for 1984 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	11	0.27	0.317	0.54	0.13	0.027	0.163	0.13	0.15	0.49	0.532
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	11	0.35	0.359	0.6	0.2	0.014	0.12	0.2	0.3	0.4	0.58
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	11 ##	0.05	0.055	0.1	0.05	0.	0.015	0.05	0.05	0.05	0.09
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	11	0.02	0.027	0.08	0.005	0.	0.021	0.006	0.01	0.03	0.074
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	10	6.	6.5	10.	1.	7.167	2.677	1.4	5.	8.5	10.
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	11 ##	50.	272.727	1100.	50.	124681.818	353.103	50.	50.	500.	1020.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	11 ##	1.699	2.114	3.041	1.699	0.292	0.54	1.699	1.699	2.699	3.002
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	130.082								

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Annual Analysis for 1985 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	9	14.5	15.333	22.	5.	38.748	6.225	5.	10.4	21.6	22.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	9	99.	127.889	303.	69.	5607.611	74.884	69.	82.	160.	303.
00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	9	8.5	8.989	12.	6.9	2.601	1.613	6.9	7.85	10.15	12.
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	9	2.	2.667	12.	1.	12.5	3.536	1.	1.	2.	12.
00340	COD, 25N K2CR2O7 MG/L	07/30/79-06/17/87	9	16.	14.889	26.	6.	44.111	6.642	6.	8.5	19.5	26.
00400	PH (STANDARD UNITS)	03/07/78-06/17/87	9	6.5	6.511	7.	5.8	0.169	0.411	5.8	6.15	6.9	7.
00400	CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	9	6.5	6.332	7.	5.8	0.205	0.453	5.8	6.15	6.9	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	9	0.316	0.466	1.585	0.1	0.234	0.483	0.1	0.126	0.713	1.585
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	9	10.	12.444	36.	2.5	104.715	10.233	2.5	4.75	16.5	36.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	9	5.	4.889	10.	2.	6.549	2.559	2.	2.5	6.5	10.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	9	5.	8.111	26.	2.5	57.549	7.586	2.5	2.75	11.5	26.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	7	0.1	0.1	0.2	0.05	0.003	0.05	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	7	0.01	0.016	0.05	0.005	0.	0.016	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	7	0.47	0.553	1.15	0.29	0.096	0.31	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	4	0.65	0.65	0.8	0.5	0.017	0.129	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	4 ##	0.075	0.1	0.2	0.05	0.005	0.071	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	7	0.03	0.048	0.15	0.005	0.002	0.048	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	9	6.	6.	9.	2.	5.	2.236	2.	4.5	7.5	9.
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	7	600.	578.571	1100.	50.	189880.952	435.753	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	7	2.778	2.564	3.041	1.699	0.282	0.531	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	366.664								

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Annual Analysis for 1986 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	9	18.	13.478	21.	0.2	68.154	8.256	0.2	5.75	20.2	21.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	9	111.	104.889	132.	81.	448.361	21.175	81.	84.	126.5	132.
00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	9	9.6	9.8	14.	6.4	7.947	2.819	6.4	7.25	12.55	14.
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	9	1.	1.167	2.	0.5	0.25	0.5	0.5	1.	1.5	2.
00340	COD, 25N K2CR2O7 MG/L	07/30/79-06/17/87	9	14.	13.889	16.	12.	1.611	1.269	12.	13.	14.5	16.
00400	PH (STANDARD UNITS)	03/07/78-06/17/87	9	6.2	6.3	7.2	5.3	0.383	0.618	5.3	5.9	6.9	7.2
00400	CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	9	6.2	5.956	7.2	5.3	0.516	0.718	5.3	5.9	6.9	7.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	9	0.631	1.108	5.012	0.063	2.4	1.549	0.063	0.139	1.292	5.012
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	9	7.	10.333	24.	5.	41.	6.403	5.	6.5	14.	24.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	9	4.	3.667	6.	0.	4.	2.	0.	2.	5.	6.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	9	5.	6.667	23.	0.	52.25	7.228	0.	1.5	10.	23.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	9 ##	0.05	0.078	0.2	0.05	0.003	0.051	0.05	0.05	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	9 ##	0.005	0.009	0.03	0.005	0.	0.008	0.005	0.005	0.01	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	9	0.6	0.518	0.72	0.2	0.04	0.2	0.2	0.315	0.69	0.72

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	9	0.4	0.456	0.7	0.3	0.018	0.133	0.3	0.35	0.55	0.7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	9	0.1	0.094	0.2	0.05	0.002	0.046	0.05	0.05	0.1	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	9	0.04	0.038	0.07	0.01	0.	0.022	0.01	0.015	0.055	0.07
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	9	6.	5.778	8.	4.	1.194	1.093	4.	5.	6.	8.
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	9	300.	305.556	900.	50.	75902.778	275.505	50.	50.	450.	900.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	9	2.477	2.29	2.954	1.699	0.228	0.477	1.699	1.699	2.651	2.954
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		194.858							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	3	17.	15.867	22.1	8.5	47.203	6.87	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	3	91.	455.	1190.	84.	405181.	636.538	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	3	9.3	9.267	11.2	7.3	3.803	1.95	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	3	2.	2.	2.	0.	0.	0.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/30/79-06/17/87	3	13.	12.667	15.	10.	6.333	2.517	**	**	**	**
00400	PH (STANDARD UNITS)	03/07/78-06/17/87	3	7.2	7.133	7.4	6.8	0.093	0.306	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	3	7.2	7.06	7.4	6.8	0.101	0.318	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	3	0.063	0.087	0.158	0.04	0.004	0.063	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	3	11.	10.	11.	8.	3.	1.732	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	3	6.	6.333	7.	6.	0.333	0.577	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	3	2.5	3.167	5.	2.	2.583	1.607	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	3##	0.005	0.02	0.05	0.005	0.001	0.026	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	3	0.25	0.31	0.55	0.13	0.047	0.216	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	3	0.7	0.8	1.3	0.4	0.21	0.458	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	3##	0.05	0.067	0.1	0.05	0.001	0.029	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	3	0.03	0.038	0.08	0.005	0.001	0.038	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	3	9.	7.333	9.	4.	8.333	2.887	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	3	500.	733.333	1500.	200.	463333.333	680.686	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	3	2.699	2.725	3.176	2.301	0.192	0.438	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		531.329							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	24	20.5	19.875	24.	14.	8.925	2.987	14.65	18.	22.	23.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	22	99.5	107.864	303.	67.	2215.647	47.071	71.6	89.	113.25	131.1
00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	24	8.15	8.188	9.7	6.4	0.68	0.825	6.95	7.725	8.7	9.35
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	22	1.	1.886	12.	0.5	5.76	2.4	1.	1.	2.	3.7
00340	COD, .25N K2CR2O7 MG/L	07/30/79-06/17/87	22	15.	15.5	23.	6.	23.119	4.808	7.6	12.75	19.	22.4
00400	PH (STANDARD UNITS)	03/07/78-06/17/87	24	6.8	6.729	7.7	6.1	0.161	0.402	6.2	6.4	7.	7.15
00400	CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	24	6.789	6.572	7.7	6.1	0.187	0.433	6.2	6.4	7.	7.15
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	24	0.163	0.268	0.794	0.02	0.048	0.218	0.071	0.1	0.398	0.631
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	22	11.5	25.409	200.	2.5	1792.11	42.333	2.5	5.	30.25	60.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	22	4.5	6.773	30.	2.	42.232	6.499	2.15	2.5	8.25	16.1
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	22	4.5	10.545	52.	1.	164.974	12.844	2.15	2.5	14.	31.5
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	22 ##	0.05	0.059	0.2	0.05	0.001	0.033	0.05	0.05	0.05	0.085
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	22	0.01	0.033	0.5	0.005	0.011	0.105	0.005	0.005	0.01	0.041
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	20	0.4	0.492	1.3	0.13	0.105	0.323	0.135	0.283	0.69	1.115
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	22	0.45	0.441	0.8	0.2	0.032	0.179	0.2	0.3	0.525	0.7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	20 ##	0.05	0.087	0.3	0.05	0.004	0.063	0.05	0.05	0.1	0.19
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	20	0.03	0.034	0.1	0.005	0.001	0.022	0.011	0.02	0.04	0.069
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	22	7.5	7.409	12.	1.	8.444	2.906	3.3	5.75	10.	11.
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	24	300.	760.417	8000.	50.	2596734.601	1611.439	50.	50.	800.	1500.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	24	2.452	2.388	3.903	1.699	0.437	0.661	1.699	1.699	2.903	3.175
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	244.435								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	42	6.75	6.798	17.	0.1	18.714	4.326	1.	2.65	11.	12.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	37	94.	99.892	190.	74.	577.321	24.028	78.	82.5	110.5	139.8
00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	43	11.8	11.293	14.6	7.6	3.179	1.783	8.54	9.8	12.4	13.4
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	37	2.	1.878	5.	0.5	0.908	0.953	1.	1.	2.	3.2
00340	COD, .25N K2CR2O7 MG/L	07/30/79-06/17/87	37	12.	13.311	45.	5.	69.074	8.311	4.8	7.	17.5	22.2
00400	PH (STANDARD UNITS)	03/07/78-06/17/87	43	6.4	6.366	7.2	5.3	0.148	0.384	5.8	6.2	6.7	6.8
00400	CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	43	6.4	6.172	7.2	5.3	0.186	0.432	5.8	6.2	6.7	6.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	43	0.398	0.673	5.012	0.063	0.779	0.882	0.158	0.2	0.631	1.585
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	37	6.	10.405	74.	2.5	222.887	14.929	2.5	2.5	10.	25.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	37	2.5	3.581	14.	0.	6.854	2.618	1.	2.25	5.	7.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	37	3.	7.905	68.	0.	170.581	13.061	2.	2.5	7.	23.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	40 ##	0.05	0.07	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	41 ##	0.005	0.006	0.02	0.005	0.	0.003	0.005	0.005	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	37	0.41	0.461	1.3	0.13	0.056	0.237	0.2	0.31	0.54	0.74
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	39	0.3	0.354	1.2	0.1	0.044	0.209	0.1	0.2	0.4	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	35 ##	0.05	0.07	0.2	0.05	0.001	0.033	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	37	0.02	0.028	0.15	0.005	0.001	0.028	0.005	0.01	0.035	0.064
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	36	6.	6.361	17.	1.	12.523	3.539	2.	4.	8.75	11.6
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	38 ##	75.	309.211	4900.	50.	641466.927	800.916	50.	50.	300.	900.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	38 ##	1.849	2.074	3.69	1.699	0.243	0.493	1.699	1.699	2.477	2.954
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	118.642								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0025

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/07/78-06/17/87	23	17.	16.174	22.8	7.	21.497	4.637	8.2	13.	19.4	22.06
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-06/17/87	23	91.	139.565	1190.	66.	52813.166	229.811	69.	76.	110.	130.
00300	OXYGEN, DISSOLVED MG/L	03/07/78-06/17/87	26	9.35	9.227	12.2	6.5	2.395	1.548	7.3	7.85	10.6	11.53
00310	BOD, 5 DAY, 20 DEG C MG/L	07/30/79-06/17/87	23	1.	1.652	4.	1.	0.783	0.885	1.	1.	2.	3.2
00340	COD, .25N K2CR2O7 MG/L	07/30/79-06/17/87	23	13.	13.761	39.	0.5	72.679	8.525	1.4	10.	17.	26.
00400	PH (STANDARD UNITS)	03/07/78-06/17/87	26	6.55	6.512	7.4	5.8	0.159	0.398	5.94	6.275	6.8	7.06
00400	CONVERTED PH (STANDARD UNITS)	03/07/78-06/17/87	26	6.547	6.345	7.4	5.8	0.187	0.433	5.94	6.275	6.8	7.06
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/07/78-06/17/87	26	0.284	0.451	1.585	0.04	0.179	0.423	0.089	0.158	0.534	1.175
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/79-06/17/87	23	10.	16.239	110.	2.5	476.179	21.822	5.4	7.	15.	32.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/30/79-06/17/87	23	5.	5.761	28.	1.	28.77	5.364	2.	2.	7.	8.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/30/79-06/17/87	23	5.	10.522	82.	0.	292.238	17.095	2.	2.5	12.	26.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/07/78-06/17/87	25	0.1	0.112	0.4	0.05	0.005	0.074	0.05	0.075	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/07/78-06/17/87	25 ##	0.005	0.011	0.05	0.005	0.	0.01	0.005	0.005	0.01	0.024
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/30/79-06/17/87	23	0.3	0.365	0.78	0.13	0.035	0.188	0.154	0.22	0.49	0.708
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/07/78-06/17/87	23	0.5	0.578	1.7	0.2	0.115	0.338	0.3	0.4	0.6	1.14
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-06/17/87	21 ##	0.05	0.081	0.2	0.05	0.002	0.046	0.05	0.05	0.1	0.18
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-06/17/87	23	0.03	0.031	0.08	0.005	0.	0.018	0.01	0.02	0.04	0.056
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/30/79-06/17/87	23	8.	8.261	18.	4.	10.111	3.18	5.4	6.	9.	13.8
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	24	350.	693.75	5800.	50.	1338763.587	1157.05	100.	200.	675.	1400.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/07/78-06/17/87	24	2.54	2.567	3.763	1.699	0.217	0.466	2.	2.301	2.828	3.145
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		369.008							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0026

NPS Station ID: FRSP0026
 Location: RT. 3 BRIDGE
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes: 0215002
 RMI-Miles: 0111.29
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104042
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
 RIVER: RAPPAHANNOCK RI. SECTION: 01 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

LAT/LON: 38.305003/ -77.457226

Agency: 21VASWCB
 FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY)
 STORET Station ID(s): 3-RPP111.29 /VA3-01-X0049/VA3-3X0049
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 5.580
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: ON
 On/Off RF3:

Parameter Inventory for Station: FRSP0026

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	146	19.2	17.681	31.2	0.5	73.778	8.589	4.91	10.	25.375	27.8
00077 TRANSPARENCY, SECCHI DISC (INCHES)	08/15/78-08/15/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00078 TRANSPARENCY, SECCHI DISC (METERS)	12/09/82-09/29/87	5	2.	13.45	60.	1.5	677.2	26.023	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/16/79-02/18/88	55	77.	82.873	380.	53.	1821.335	42.677	59.6	68.	86.	97.4
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/15/78-08/15/78	1	78.	78.	78.	0.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	149	9.2	9.564	14.8	5.4	3.077	1.754	7.6	8.4	10.6	12.1
00310 BOD, 5 DAY, 20 DEG C MG/L	10/08/68-02/18/88	94	1.	1.353	4.	0.5	0.502	0.709	0.9	1.	2.	2.25
00340 COD, 25N K2CR2O7 MG/L	07/25/79-02/18/88	57	8.	7.596	19.	0.5	17.165	4.143	3.	4.5	9.5	14.2
00400 PH (STANDARD UNITS)	07/01/68-02/18/88	151	7.3	7.366	9.6	6.	0.342	0.585	6.72	7.	7.6	8.
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	151	7.3	7.075	9.6	6.	0.427	0.654	6.72	7.	7.6	8.
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	151	0.05	0.084	1.	0.	0.013	0.115	0.01	0.025	0.1	0.191
00403 PH, LAB, STANDARD UNITS SU	10/08/68-02/18/88	22	6.9	6.868	7.5	6.3	0.117	0.341	6.33	6.65	7.125	7.37
00403 CONVERTED PH, LAB, STANDARD UNITS	10/08/68-02/18/88	22	6.9	6.745	7.5	6.3	0.133	0.364	6.33	6.65	7.125	7.37
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/68-02/18/88	22	0.126	0.18	0.501	0.032	0.02	0.141	0.043	0.075	0.229	0.47
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	10/08/68-02/18/88	21	18.	19.	28.	9.	30.6	5.532	12.	15.	24.	26.8
00480 SALINITY - PARTS PER THOUSAND	08/15/78-08/15/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	10/08/68-10/23/79	29	84.	126.69	755.	46.	17137.365	130.91	62.	70.5	145.5	182.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-10/23/79	29	33.	45.069	200.	15.	1433.995	37.868	21.	24.5	49.	105.
00510 RESIDUE, TOTAL FIXED (MG/L)	10/08/68-10/23/79	29	53.	87.069	650.	24.	13944.567	118.087	28.	39.	75.	149.
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	06/29/77-06/29/77	1##	0.005	0.005	0.005	0.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-02/18/88	87	7.	18.293	174.	0.	1042.852	32.293	2.5	2.5	15.	44.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-02/18/88	87	2.5	11.563	600.	0.	4114.795	64.147	2.	2.5	5.	10.2
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-02/18/88	87	5.	21.276	700.	0.	6044.464	77.746	2.	2.5	12.	35.2
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	134 ##	0.05	0.074	0.6	0.005	0.005	0.072	0.04	0.05	0.093	0.12
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	134 ##	0.005	0.011	0.1	0.005	0.	0.013	0.005	0.005	0.01	0.023
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	120	0.49	0.577	6.799	0.005	0.649	0.805	0.061	0.223	0.698	0.89
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	133	0.3	0.319	1.8	0.05	0.071	0.266	0.1	0.2	0.4	0.5
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/12/76-05/08/79	13	0.26	0.456	1.7	0.025	0.218	0.467	0.047	0.11	0.65	1.38
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-02/18/88	54 ##	0.05	0.082	0.5	0.05	0.005	0.074	0.05	0.05	0.1	0.1
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-02/18/88	55	0.02	0.029	0.29	0.005	0.002	0.045	0.005	0.01	0.03	0.062
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/75-08/27/87	77	5.	5.175	10.	0.5	3.814	1.953	2.	4.	7.	7.2
00900 HARDNESS, TOTAL (MG/L AS CACO3)	08/27/87-02/18/88	7	28.	26.286	31.	20.	19.571	4.424	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-06/13/79	64	6.	9.078	136.	2.	273.438	16.536	3.5	5.	8.75	12.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
01002	ARSENIC, TOTAL (UG/L AS AS)	04/25/71-07/07/86	12 ##	1.	1.333	2.5	0.5	0.833	0.913	0.5	0.5	2.5	2.5	
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/29/77-06/13/84	4	6.098	5.749	9.6	1.2	18.319	4.28	**	**	**	**	
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/25/83-07/25/83	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**	
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	06/13/84-06/13/84	1 ##	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**	
01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-07/07/86	16 ##	5.	3.594	5.	0.5	4.641	2.154	0.5	0.5	5.	5.	
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/13/84	4 ##	0.13	0.195	0.46	0.06	0.033	0.181	**	**	**	**	
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/13/84	4	8.6	13.408	28.5	7.93	101.577	10.079	**	**	**	**	
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-07/07/86	24 ##	5.	6.167	20.	0.5	22.471	4.74	1.25	5.	5.	15.	
01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-07/07/86	23 ##	5.	7.174	20.	5.	20.059	4.479	5.	5.	10.	16.	
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/29/77-06/13/84	4	8.6	11.15	25.3	2.1	114.383	10.695	**	**	**	**	
01045	IRON, TOTAL (UG/L AS FE)	11/25/70-10/23/79	4	350.	360.	500.	240.	13066.667	114.31	**	**	**	**	
01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-07/07/86	20 ##	5.	6.325	30.	0.5	53.402	7.308	0.55	1.125	5.75	19.3	
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/29/77-06/13/84	4	13.45	13.24	25.6	0.46	105.437	10.268	**	**	**	**	
01055	MANGANESE, TOTAL (UG/L AS MN)	03/18/70-10/23/79	4	45.	45.	70.	20.	566.667	23.805	**	**	**	**	
01059	THALLIUM, TOTAL (UG/L AS TL)	07/25/83-07/25/83	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**	
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-05/02/77	6 ##	50.	42.5	50.	5.	337.5	18.371	**	**	**	**	
01067	NICKEL, TOTAL (UG/L AS NI)	10/23/79-07/07/86	6 ##	7.5	17.5	50.	5.	347.5	18.641	**	**	**	**	
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/29/77-06/13/84	4	6.1	6.8	12.8	2.2	20.88	4.569	**	**	**	**	
01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-07/07/86	25 ##	5.	12.76	109.	5.	477.523	21.852	5.	5.	10.	34.	
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/29/77-06/23/88	3	12.9	22.687	54.7	0.46	807.329	28.414	**	**	**	**	
01147	SELENIUM, TOTAL (UG/L AS SE)	07/25/83-07/25/83	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**	
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	06/13/84-06/13/84	1	19.2	19.2	19.2	19.2	0.	0.	**	**	**	**	
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/01/68-05/11/76	17	2400.	4813.706	11000.	93.	18564115.971	4308.61	618.6	930.	9300.	11000.	
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150)	07/01/68-05/11/76	17	3.38	3.426	4.041	1.968	0.331	0.575	2.694	2.968	3.968	4.041	
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	GEOMETRIC MEAN =		2667.859										
31616	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	123	100.	670.244	8000.	10.	2319263.055	1522.913	50.	50.	300.	2160.	
31616	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	123	2.	2.231	3.903	1.	0.398	0.631	1.699	1.699	2.477	3.334	
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		170.109										
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**	
34351	ENDOSULFAN SULFATE TOTWUG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**	
34356	ENDOSULFAN, BETA TOTWUG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**	
34361	ENDOSULFAN, ALPHA TOTWUG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**	
34366	ENDRIN ALDEHYDE TOTWUG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**	
34480	THALLIUM DRY WGTBOTMG/KG	06/13/84-06/13/84	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**	
34671	PCB - 1016 TOTWUG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**	
38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/07/86-07/07/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**	
38451	DICHLORPROP WATER,SUSPUG/L	07/07/86-07/07/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**	
38745	2,4-DB WATER, TOTUG/L	07/07/86-07/07/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**	
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	10/23/79-07/07/88	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**	
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/13/84-06/13/84	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**	
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**	
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**	
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**	
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**	
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**	
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**	
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**	
39315	O,P'DDD IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**	
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**	
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**	
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	6	0.	0.008	0.05	0.	0.	0.02	**	**	**	**	
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/30/81-06/23/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**	
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**	
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**	
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**	
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**	
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/13/84-06/13/84	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**	
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**	
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**	
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**	
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	3	0.	0.017	0.05	0.	0.	0.001	0.029	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/13/84-06/13/84	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**	
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	10/23/79-07/07/86	3	0.	0.017	0.05	0.	0.001	0.029	**	**	**	**	

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Parameter Inventory for Station: FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/13/84-06/13/84	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/13/84-06/13/84	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/07/86-07/07/86	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/13/84-06/13/84	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/06/82-07/12/84	3	0.	0.	0.	0.	0.	0.	**	**	**	**
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/30/81-06/23/82	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	10/23/79-08/27/81	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/07/86-07/07/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/11/76-04/22/85	18	0.	0.012	0.12	0.	0.001	0.036	0.	0.	0.	0.102
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	79 ##	0.05	0.067	0.2	0.025	0.002	0.042	0.05	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	79	0.04	0.041	0.19	0.005	0.001	0.036	0.005	0.01	0.05	0.09
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-07/07/86	23 ##	0.25	0.302	1.3	0.15	0.056	0.237	0.15	0.25	0.25	0.5
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/29/77-06/23/82	3 ##	0.1	0.183	0.4	0.05	0.036	0.189	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	07/07/86-07/07/86	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0026

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	149	0	0.00	62	0	0.00	43	0	0.00	44	0	0.00			
00400	PH	Fresh Chronic	9.	151	3	0.02	63	0	0.00	43	0	0.00	45	3	0.07			
00403	PH, LAB	Other-Lo Lim.	6.5	151	5	0.03	63	1	0.02	43	1	0.02	45	3	0.07			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	134	0	0.00	54	0	0.00	41	0	0.00	39	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	120	0	0.00	45	0	0.00	41	0	0.00	34	0	0.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	13	0	0.00	8	0	0.00				5	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	64	0	0.00	31	0	0.00	14	0	0.00	19	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	12	0	0.00	7	0	0.00	2	0	0.00	3	0	0.00			
01012	BERYLLIUM, TOTAL	Drinking Water	50.	12	0	0.00	7	0	0.00	2	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	5 &	0	0.00	5	0	0.00									
01034	CHROMIUM, TOTAL	Drinking Water	100.	24	0	0.00	9	0	0.00	7	0	0.00	8	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	23	2	0.09	8	0	0.00	7	1	0.14	8	1	0.13			
01051	LEAD, TOTAL	Drinking Water	1300.	23	0	0.00	8	0	0.00	7	0	0.00	8	0	0.00			
01059	THALLIUM, TOTAL	Fresh Acute	82.	20	0	0.00	9	0	0.00	6	0	0.00	5	0	0.00			
01065	NICKEL, DISSOLVED	Drinking Water	1400.	1	0	0.00	1	0	0.00				5	1	0.20			
01067	NICKEL, TOTAL	Fresh Acute	1400.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01092	ZINC, TOTAL	Drinking Water	120.	25	0	0.00	9	0	0.00	7	0	0.00	9	0	0.00			
		Fresh Acute	5000.	25	0	0.00	9	0	0.00	7	0	0.00	9	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0026

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	17	12	0.71	9	7	0.78	3	3	1.00	5	2	0.40			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	123	46	0.37	48	13	0.27	38	14	0.37	37	19	0.51			
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	1.	3	0	0.00	2	0	0.00	1	0	0.00						
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	3	0	0.00	2	0	0.00	1	0	0.00						
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	3	0	0.00	2	0	0.00	1	0	0.00						
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	3	0	0.00	2	0	0.00	1	0	0.00						
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	6	0	0.00	5	0	0.00	1	0	0.00						
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	3	0	0.00	2	0	0.00	1	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	3	0	0.00	2	0	0.00	1	0	0.00						
		Drinking Water	2.	3	0	0.00	2	0	0.00	1	0	0.00						
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00									
		Drinking Water	3.	1	0	0.00	1	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	2	0	0.00	1	0	0.00	1	0	0.00						
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	3	0	0.00	3	0	0.00									
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	1.	2	0	0.00	1	0	0.00	1	0	0.00						
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	18	2	0.11	5	0	0.00	5	1	0.20	8	1	0.13			
71900	MERCURY, TOTAL	Fresh Acute	2.4	23	0	0.00	10	0	0.00	6	0	0.00	7	0	0.00			
		Drinking Water	2.	23	0	0.00	10	0	0.00	6	0	0.00	7	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1968 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	4	25.85	24.3	28.3	17.2	26.273	5.126	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	4	7.5	7.425	8.2	6.5	0.656	0.81	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	4	7.5	7.425	7.7	7.	0.089	0.299	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	4	7.5	7.339	7.7	7.	0.099	0.315	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	4	0.032	0.046	0.1	0.02	0.001	0.037	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	3	21.1	15.9	23.3	3.3	120.28	10.967	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	3	8.	9.467	12.6	7.8	7.373	2.715	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	3	6.8	6.867	7.1	6.7	0.043	0.208	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	3	6.8	6.836	7.1	6.7	0.045	0.211	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	3	0.158	0.146	0.2	0.079	0.004	0.061	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	11	13.9	14.091	25.6	3.9	86.677	9.31	3.9	3.9	24.4	25.48
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	11	9.	8.936	12.	5.4	3.561	1.887	5.84	7.7	9.6	12.
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	11	6.9	6.882	7.2	6.	0.114	0.337	6.16	6.8	7.2	7.2
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	11	6.9	6.709	7.2	6.	0.146	0.383	6.16	6.8	7.2	7.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	11	0.126	0.195	1.	0.063	0.073	0.27	0.063	0.063	0.158	0.832
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	11	0.11	0.094	0.18	0.01	0.003	0.054	0.016	0.04	0.12	0.178
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	11	0.01	0.011	0.04	0.005	0.	0.011	0.005	0.005	0.01	0.036
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	11	0.35	0.421	0.84	0.01	0.099	0.314	0.024	0.1	0.69	0.83
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	11	0.3	0.364	0.8	0.05	0.061	0.247	0.07	0.2	0.5	0.8
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	2	200.	200.	200.	200.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	2	2.301	2.301	2.301	2.301	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		200.									
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	11 ##	0.05	0.052	0.1	0.025	0.001	0.026	0.025	0.025	0.05	0.1
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	11	0.02	0.034	0.15	0.01	0.002	0.042	0.01	0.01	0.03	0.134

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	10	15.85	15.62	27.8	3.9	58.524	7.65	4.29	7.8	22.35	27.3
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	10	9.8	10.12	12.8	8.	2.811	1.677	8.04	8.55	12.05	12.74
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	10	7.15	7.22	7.7	6.9	0.077	0.278	6.91	7.	7.5	7.68
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	10	7.125	7.149	7.7	6.9	0.083	0.288	6.91	7.	7.5	7.68
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	10	0.075	0.071	0.126	0.02	0.001	0.038	0.021	0.032	0.1	0.123
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	11	0.05	0.052	0.12	0.01	0.002	0.04	0.01	0.02	0.09	0.118
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	11	0.01	0.023	0.1	0.01	0.001	0.027	0.01	0.01	0.03	0.086
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	11	0.35	0.576	2.179	0.05	0.388	0.623	0.058	0.09	0.89	1.943
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	11	0.3	0.332	0.8	0.05	0.047	0.217	0.08	0.2	0.5	0.76
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	11	100.	1581.818	8000.	50.	7824636.364	2797.255	50.	50.	2000.	7620.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	11	2.	2.448	3.903	1.699	0.746	0.864	1.699	1.699	3.301	3.88

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			280.747								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	11 ##	0.05	0.064	0.2	0.05	0.002	0.045	0.05	0.05	0.05	0.17
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	11	0.04	0.037	0.06	0.005	0.	0.019	0.006	0.02	0.05	0.06

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	13	16.7	15.038	27.8	2.2	63.098	7.943	3.76	8.05	21.1	26.44
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	13	9.8	10.092	14.8	7.	5.677	2.383	7.32	8.	11.8	14.24
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	13	6.9	6.923	7.6	6.5	0.085	0.292	6.58	6.7	7.1	7.44
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	13	6.9	6.847	7.6	6.5	0.092	0.303	6.58	6.7	7.1	7.44
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	13	0.126	0.142	0.316	0.025	0.006	0.079	0.04	0.082	0.2	0.27
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	12	0.065	0.096	0.36	0.005	0.011	0.103	0.005	0.033	0.12	0.318
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	12	0.01	0.012	0.02	0.005	0.	0.005	0.007	0.01	0.018	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	12	0.485	0.598	1.189	0.06	0.098	0.313	0.129	0.415	0.837	1.111
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	12	0.3	0.342	0.6	0.1	0.028	0.168	0.13	0.2	0.5	0.57
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-04/27/88	11	200.	1073.636	4900.	10.	2364045.455	1537.545	28.	100.	1900.	4380.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-04/27/88	11	2.301	2.488	3.69	1.	0.662	0.814	1.2	2.	3.279	3.625
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			307.359								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	12 ##	0.05	0.079	0.2	0.05	0.003	0.058	0.05	0.05	0.088	0.2
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	12	0.025	0.048	0.19	0.02	0.002	0.05	0.02	0.02	0.055	0.16

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	12	14.15	15.1	28.9	4.4	84.44	9.189	4.58	5.425	25.025	28.57
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	12	10.	10.05	12.8	8.	1.834	1.354	8.	9.2	10.85	12.38
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	12	7.25	7.217	8.	6.7	0.145	0.381	6.73	6.825	7.5	7.85
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	12	7.247	7.084	8.	6.7	0.164	0.406	6.73	6.825	7.5	7.85
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	12	0.057	0.083	0.2	0.01	0.004	0.062	0.016	0.032	0.15	0.187
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	11 ##	0.05	0.056	0.1	0.005	0.001	0.026	0.014	0.05	0.06	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	11 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	11	0.6	0.723	1.399	0.41	0.088	0.296	0.412	0.55	0.9	1.317
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	11	0.3	0.359	0.7	0.05	0.029	0.171	0.08	0.3	0.5	0.66
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-04/27/88	11	500.	972.727	3300.	100.	1290181.818	1135.862	100.	100.	2200.	3120.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-04/27/88	11	2.699	2.644	3.519	2.	0.374	0.612	2.	2.	3.342	3.491
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			440.762								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	11 ##	0.05	0.068	0.2	0.05	0.002	0.046	0.05	0.05	0.05	0.18
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	11 ##	0.05	0.057	0.1	0.04	0.	0.021	0.04	0.05	0.05	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	8	23.35	19.675	27.8	6.7	64.642	8.04	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	8	8.6	9.175	12.	8.	1.822	1.35	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	8	7.5	7.425	8.5	6.2	0.462	0.68	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	8	7.5	6.948	8.5	6.2	0.722	0.85	**	**	**	**

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Annual Analysis for 1974 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	8	0.032	0.113	0.631	0.003	0.045	0.212	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	8##	0.05	0.063	0.1	0.05	0.001	0.023	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	8##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	8	0.51	1.87	6.799	0.03	7.145	2.673	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	8	0.3	0.25	0.4	0.1	0.011	0.107	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	100.	235.714	900.	50.	88928.571	298.209	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	2.	2.179	2.954	1.699	0.16	0.399	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			151.121								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	8##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	8##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	7	27.2	25.714	30.	17.2	19.368	4.401	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	7	8.6	8.443	9.6	7.4	0.666	0.816	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	7	7.1	7.214	7.5	7.	0.058	0.241	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	7	7.1	7.162	7.5	7.	0.061	0.248	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	7	0.079	0.069	0.1	0.032	0.001	0.033	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	7##	0.05	0.057	0.1	0.05	0.	0.019	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	7##	0.005	0.007	0.02	0.005	0.	0.006	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	7	0.5	0.516	0.78	0.25	0.045	0.212	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	7	0.1	0.293	1.299	0.05	0.213	0.461	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	100.	107.143	200.	50.	4523.81	67.259	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	2.	1.957	2.301	1.699	0.073	0.271	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			90.572								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	7##	0.05	0.086	0.2	0.05	0.003	0.056	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	7##	0.05	0.031	0.05	0.005	0.001	0.023	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	4	27.25	24.05	27.8	13.9	46.057	6.787	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	4	8.95	8.925	10.8	7.	3.009	1.735	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	5	7.5	7.62	8.5	7.2	0.267	0.517	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	5	7.5	7.461	8.5	7.2	0.299	0.547	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	5	0.032	0.035	0.063	0.003	0.001	0.023	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	6##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	6##	0.005	0.01	0.03	0.005	0.	0.01	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	5	0.3	0.394	0.74	0.09	0.067	0.259	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	6	0.3	0.4	1.	0.2	0.092	0.303	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	6	100.	171.667	430.	50.	24616.667	156.897	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	6	2.	2.085	2.633	1.699	0.153	0.392	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			121.55								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	6##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	6	0.015	0.022	0.07	0.005	0.001	0.025	**	**	**	**

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Annual Analysis for 1977 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	5	20.5	17.28	31.	1.9	200.217	14.15	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	5	8.4	8.16	10.	6.3	1.883	1.372	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	5	7.7	7.74	7.8	7.7	0.003	0.055	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	5	7.7	7.737	7.8	7.7	0.003	0.055	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/01/68-02/18/88	5	0.02	0.018	0.02	0.016	0.	0.002	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	5	0.1	0.19	0.6	0.05	0.053	0.23	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	4##	0.013	0.02	0.05	0.005	0.	0.021	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	5	0.2	0.46	1.299	0.1	0.243	0.493	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	5	100.	100.	200.	50.	3750.	61.237	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	5	2.	1.94	2.301	1.699	0.063	0.252	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			87.055								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	5 ##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	5 ##	0.005	0.039	0.14	0.005	0.003	0.058	**	**	**	**

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Annual Analysis for 1978 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	6	19.	18.833	26.	8.	42.867	6.547	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	5	9.2	8.98	10.2	7.2	1.552	1.246	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	6	7.45	7.7	9.	7.4	0.408	0.639	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	6	7.447	7.514	9.	7.4	0.449	0.67	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/01/68-02/18/88	6	0.036	0.031	0.04	0.001	0.	0.015	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	6##	0.05	0.067	0.1	0.05	0.001	0.026	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	6	0.01	0.017	0.06	0.005	0.	0.021	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	6	0.3	0.3	0.5	0.1	0.02	0.141	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	5	100.	760.	2900.	50.	1506750.	1227.497	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	5	2.	2.341	3.462	1.699	0.613	0.783	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			219.325								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	6##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	6	0.02	0.035	0.12	0.005	0.002	0.044	**	**	**	**

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Annual Analysis for 1979 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	7	21.	18.671	26.5	1.7	65.339	8.083	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	7	9.1	9.357	13.1	8.	2.913	1.707	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	7	7.4	7.457	7.9	7.	0.093	0.305	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	7	7.4	7.371	7.9	7.	0.102	0.319	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/01/68-02/18/88	7	0.04	0.043	0.1	0.013	0.001	0.029	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	6##	0.05	0.1	0.2	0.05	0.006	0.077	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	6##	0.008	0.016	0.04	0.005	0.	0.015	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	4	0.49	0.508	0.6	0.45	0.004	0.064	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	6	0.2	0.2	0.4	0.05	0.023	0.152	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	6##	75.	491.667	2100.	50.	667416.667	816.956	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	6##	1.849	2.2	3.322	1.699	0.477	0.691	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			158.324								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	2##	0.125	0.125	0.2	0.05	0.011	0.106	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	2	0.065	0.065	0.12	0.01	0.006	0.078	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	7	14.5	15.371	28.	4.	88.152	9.389	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	7	10.1	10.371	12.8	8.2	2.076	1.441	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	7	7.5	8.014	9.6	7.	1.111	1.054	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	7	7.5	7.466	9.6	7.	1.463	1.209	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/01/68-02/18/88	7	0.032	0.034	0.1	0.	0.001	0.036	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	7##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	7##	0.005	0.009	0.02	0.005	0.	0.006	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	7	0.41	0.456	0.7	0.025	0.055	0.235	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	7	0.2	0.171	0.2	0.1	0.002	0.049	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	100.	664.286	4200.	50.	2431428.571	1559.304	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	2.	2.103	3.623	1.699	0.472	0.687	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	126.73								

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Annual Analysis for 1981 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	13	19.5	17.692	31.2	6.	61.967	7.872	6.4	11.1	25.	29.16
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	13	9.5	10.092	13.	7.8	2.049	1.431	8.28	9.1	11.05	12.64
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	13	7.4	7.492	8.7	6.9	0.406	0.637	6.9	6.9	7.8	8.7
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	13	7.4	7.218	8.7	6.9	0.487	0.698	6.9	6.9	7.8	8.7
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/01/68-02/18/88	13	0.04	0.061	0.126	0.002	0.003	0.052	0.002	0.018	0.126	0.126
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	10##	0.05	0.065	0.2	0.05	0.002	0.047	0.05	0.05	0.05	0.185
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	10##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	10	0.255	0.328	1.2	0.025	0.13	0.36	0.025	0.025	0.473	1.131
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	10	0.3	0.255	0.5	0.05	0.016	0.126	0.055	0.175	0.3	0.48
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	9	100.	955.556	8000.	50.	6979027.778	2641.785	50.	50.	100.	8000
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	9	2.	2.078	3.903	1.699	0.491	0.701	1.699	1.699	2.	3.903
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	119.581								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	4	14.55	15.475	25.3	7.5	77.549	8.806	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	8	9.15	9.762	12.6	9.	1.666	1.291	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	8	7.95	8.075	8.7	7.7	0.162	0.403	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	8	7.947	7.953	8.7	7.7	0.179	0.423	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/01/68-02/18/88	8	0.011	0.011	0.02	0.002	0.	0.007	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	6##	0.05	0.05	0.05	0.05	0.05	0.	0.	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	7##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	6	0.225	0.323	0.8	0.025	0.079	0.281	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	6	0.2	0.175	0.25	0.1	0.004	0.061	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	4##	75	425	1500.	50.	514166.667	717.054	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	4##	1.849	2.144	3.176	1.699	0.494	0.703	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	139.158								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	6	19.	17.9	26.7	7.	77.464	8.801	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	6	9.5	9.633	12.3	7.3	4.959	2.227	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	6	7.1	7.	7.2	6.4	0.092	0.303	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	6	7.1	6.884	7.2	6.4	0.108	0.329	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/01/68-02/18/88	6	0.079	0.131	0.398	0.063	0.017	0.132	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	5 ##	0.05	0.12	0.4	0.05	0.025	0.157	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	5 ##	0.01	0.019	0.05	0.005	0.	0.019	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	5	0.6	0.539	0.8	0.005	0.105	0.325	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	5	0.2	0.53	1.8	0.05	0.52	0.721	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	5	200.	720.	2200.	50.	875750.	935.815	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	5	2.301	2.417	3.342	1.699	0.573	0.757	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	260.95								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	8	18.65	19.975	31.	10.5	79.805	8.933	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	8	9.65	10.113	12.	8.6	1.91	1.382	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	8	7.39	7.46	8.4	6.8	0.355	0.596	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	8	7.376	7.191	8.4	6.8	0.438	0.662	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/01/68-02/18/88	8	0.042	0.064	0.158	0.004	0.004	0.063	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	8 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	8 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	8	0.39	0.414	0.7	0.18	0.031	0.177	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	8	0.2	0.238	0.3	0.2	0.003	0.052	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	8 ##	75.	162.5	600.	50.	35535.714	188.509	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	8 ##	1.849	2.022	2.778	1.699	0.164	0.405	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	105.199								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	4	24.	22.15	26.6	14.	31.19	5.585	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	4	8.55	8.5	9.3	7.6	0.487	0.698	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	4	6.85	6.775	7.1	6.3	0.129	0.359	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	4	6.825	6.658	7.1	6.3	0.148	0.384	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/01/68-02/18/88	4	0.15	0.22	0.501	0.079	0.038	0.195	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	2	0.4	0.4	0.67	0.13	0.146	0.382	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	4	100.	87.5	100.	50.	625.	25	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	4	2.	1.925	2.	1.699	0.023	0.151	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	84.09								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	4	24.	22.05	29.	11.2	60.543	7.781	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	4	8.2	8.85	11.6	7.4	3.743	1.935	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	4	6.7	6.775	7.1	6.6	0.049	0.222	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	4	6.7	6.739	7.1	6.6	0.051	0.226	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/01/68-02/18/88	4	0.2	0.182	0.251	0.079	0.005	0.073	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	4##	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	4##	0.005	0.009	0.02	0.005	0.	0.008	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	4	0.16	0.231	0.58	0.025	0.06	0.244	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	4	0.25	0.275	0.4	0.2	0.009	0.096	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	4##	50.	62.5	100.	50.	625.	25.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	4##	1.699	1.774	2.	1.699	0.023	0.151	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	59.46								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	8	16.5	17.025	31.2	5.8	76.385	8.74	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	8	9.85	9.863	12.	6.7	3.343	1.828	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	8	7.7	7.775	8.4	7.1	0.174	0.417	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	8	7.689	7.608	8.4	7.1	0.206	0.453	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/01/68-02/18/88	8	0.02	0.025	0.079	0.004	0.001	0.024	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	7##	0.05	0.079	0.2	0.05	0.003	0.057	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	7	0.01	0.015	0.06	0.005	0.	0.02	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	7	0.54	0.371	0.63	0.06	0.074	0.271	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	7	0.4	0.5	1.5	0.2	0.2	0.447	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	100.	1292.857	8000.	50.	8786190.476	2964.151	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	7	2.	2.297	3.903	1.699	0.662	0.814	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	198.165								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	2	2.6	2.6	4.7	0.5	8.82	2.97	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	2	13.65	13.65	14.7	12.6	2.205	1.485	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	2	8.1	8.1	8.5	7.7	0.32	0.566	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	2	7.937	7.937	8.5	7.7	0.373	0.611	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/01/68-02/18/88	2	0.012	0.012	0.02	0.003	0.	0.012	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	2##	0.055	0.055	0.09	0.02	0.002	0.049	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	2	0.025	0.025	0.04	0.01	0.	0.021	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	2	0.905	0.905	1.	0.81	0.018	0.134	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	2	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	4	150.	487.5	1600.	50.	553958.333	744.284	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-04/27/88	4	2.151	2.301	3.204	1.699	0.423	0.65	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	200.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	61	25.	23.243	31.2	1.9	37.474	6.122	14.52	20.25	27.5	28.98
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/16/79-02/18/88	20	81.5	93.55	380.	53.	4690.892	68.49	58.2	73.25	83.	101.5
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	62	8.45	8.484	10.8	6.3	1.131	1.064	7.06	7.675	9.125	9.97
00310	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-02/18/88	38	1.	1.224	3.	0.5	0.437	0.661	0.5	1.	1.25	2.06
00340	COD, .25N K2CR2O7 MG/L	07/25/79-02/18/88	21	8.	8.571	19.	1.	23.157	4.812	3.	5.	11.	17.4
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	63	7.4	7.467	8.7	6.3	0.25	0.5	7.	7.1	7.7	8.24
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	63	7.4	7.235	8.7	6.3	0.304	0.551	7.	7.1	7.7	8.24
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	63	0.04	0.058	0.501	0.002	0.005	0.072	0.006	0.02	0.079	0.1
00403	PH, LAB, STANDARD UNITS SU	10/08/68-02/18/88	7	7.1	7.057	7.5	6.3	0.156	0.395	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/08/68-02/18/88	7	7.1	6.871	7.5	6.3	0.196	0.443	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/68-02/18/88	7	0.079	0.134	0.501	0.032	0.027	0.165	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/08/68-02/18/88	7	24.	22.714	27.	9.	37.905	6.157	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-02/18/88	35	5.	14.386	103.	0.5	623.487	24.97	2.5	2.5	13.	48.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-02/18/88	35	2.5	20.957	600.	0.	10161.344	100.803	2.	2.5	5.	11.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-02/18/88	35	2.5	28.643	700.	0.	13920.479	117.985	1.6	2.5	10.	36.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	53 ##	0.05	0.077	0.6	0.01	0.006	0.081	0.05	0.05	0.095	0.116
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	54 ##	0.005	0.013	0.1	0.005	0.	0.017	0.005	0.005	0.01	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	45	0.33	0.328	0.7	0.005	0.057	0.238	0.025	0.075	0.535	0.676
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	53	0.3	0.356	1.299	0.05	0.075	0.273	0.1	0.2	0.4	0.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-02/18/88	19 ##	0.05	0.066	0.1	0.05	0.001	0.024	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-02/18/88	19	0.02	0.023	0.09	0.005	0.001	0.024	0.005	0.01	0.02	0.08
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/75-08/27/87	36	5.	5.194	9.	1.	3.761	1.939	2.	4.	6.75	7.3
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-06/13/79	31	7.	11.613	136.	2.	552.045	23.496	3.2	5.	10.	12.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-07/07/86	9 ##	5.	4.222	10.	0.5	8.632	2.938	0.5	1.25	5.	10.
01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-07/07/86	9 ##	1.5	3.611	13.	0.5	16.424	4.053	0.5	0.75	5.	13.
01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-07/07/86	9 ##	5.	8.889	40.	5.	136.111	11.667	5.	5.	5.	40.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-04/27/88	48	100.	710.417	8000.	50.	2945846.631	1716.347	50.	50.	200.	2180.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-04/27/88	48	2.	2.176	3.903	1.699	0.427	0.654	1.699	1.699	2.301	3.336
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			150.111									
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	34 ##	0.05	0.063	0.2	0.05	0.001	0.031	0.05	0.05	0.05	0.1
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	34	0.035	0.04	0.14	0.005	0.001	0.033	0.005	0.01	0.05	0.085
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-07/07/86	10 ##	0.25	0.225	0.4	0.15	0.006	0.079	0.15	0.15	0.25	0.385

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	43	7.	7.837	18.	0.5	17.791	4.218	3.54	4.5	10.	14.24
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/16/79-02/18/88	21	86.	82.	109.	62.	172.2	13.122	64.4	68.	90.5	99.6
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	43	12.	11.453	14.8	5.4	2.872	1.695	9.1	10.4	12.6	13.06
00310	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-02/18/88	28	1.95	1.732	4.	0.5	0.757	0.87	1.	1.	2.15	3.06
00340	COD, .25N K2CR2O7 MG/L	07/25/79-02/18/88	21	9.	7.881	15.	0.5	15.648	3.956	3.	4.	10.	14.6
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	43	7.	7.141	8.5	6.	0.227	0.477	6.7	6.8	7.5	7.82
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	43	7.	6.927	8.5	6.	0.274	0.524	6.7	6.8	7.5	7.82
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	43	0.1	0.118	1.	0.003	0.023	0.152	0.016	0.032	0.158	0.2
00403	PH, LAB, STANDARD UNITS SU	10/08/68-02/18/88	9	6.7	6.744	7.	6.4	0.04	0.201	6.4	6.6	6.9	7.
00403	CONVERTED PH, LAB, STANDARD UNITS	10/08/68-02/18/88	9	6.7	6.701	7.	6.4	0.042	0.206	6.4	6.6	6.9	7.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/68-02/18/88	9	0.2	0.199	0.398	0.1	0.01	0.1	0.126	0.126	0.258	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/08/68-02/18/88	9	16.	16.778	28.	12.	23.944	4.893	12.	13.	18.5	28.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-02/18/88	25	7.	20.32	174.	2.5	205.623	45.339	2.5	2.5	10.	84.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-02/18/88	25	2.5	5.88	50.	1.	115.839	10.763	1.6	2.25	3.5	16.2
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-02/18/88	25	4.	15.54	144.	2.	1214.603	34.851	2.5	2.5	7.	60.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	41 ##	0.05	0.057	0.2	0.005	0.002	0.04	0.012	0.05	0.05	0.118
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	41 ##	0.005	0.01	0.06	0.005	0.	0.01	0.005	0.005	0.01	0.018
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	41	0.67	0.682	2.179	0.25	0.15	0.387	0.168	0.475	0.84	1.151
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	41	0.2	0.266	1.5	0.05	0.057	0.239	0.05	0.1	0.3	0.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-02/18/88	21 ##	0.05	0.088	0.5	0.05	0.009	0.097	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-02/18/88	21	0.02	0.035	0.29	0.005	0.004	0.061	0.006	0.01	0.03	0.074
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/75-08/27/87	16	5.	5.063	8.	2.	3.263	1.806	2.	4.	6.75	7.3
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-06/13/79	14	6.5	6.929	14.	2.	9.302	3.05	3.	5.	8.	13.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-07/07/86	7 ##	5.	7.857	20.	5.	32.143	5.669	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-07/07/86	6 ##	5.	7.667	20.	1.	44.667	6.683	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-07/07/86	7 ##	5.	10.714	30.	5.	103.571	10.177	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-04/27/88	38	100.	682.895	8000.	50.	2425442.745	1557.383	50.	50.	225.	2210.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-04/27/88	38	2.	2.23	3.903	1.699	0.404	0.635	1.699	1.699	2.345	3.344
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	170.009							
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	20 ##	0.05	0.078	0.2	0.05	0.003	0.055	0.05	0.05	0.088	0.2
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	20	0.04	0.05	0.19	0.005	0.002	0.047	0.01	0.02	0.05	0.145
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-07/07/86	6 ##	0.25	0.275	0.5	0.15	0.014	0.117	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0026

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/18/88	42	20.	19.681	31.2	7.2	36.111	6.009	10.75	15.	23.575	28.57
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	08/16/79-02/18/88	14	70.	68.929	82.	56.	58.687	7.661	56.5	64.25	74.75	79.5
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/18/88	44	9.2	9.239	11.6	7.5	0.821	0.906	8.	8.6	9.8	10.6
00310	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-02/18/88	28	1.	1.15	2.	0.5	0.158	0.398	0.99	1.	1.	2.
00340	COD, .25N K2CR2O7 MG/L	07/25/79-02/18/88	15	6.	5.833	11.	0.5	8.345	2.889	1.4	4.	8.	10.4
00400	PH (STANDARD UNITS)	07/01/68-02/18/88	45	7.3	7.44	9.6	6.2	0.528	0.727	6.72	7.	7.8	8.44
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/18/88	45	7.3	7.058	9.6	6.2	0.678	0.823	6.72	7.	7.8	8.44
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/18/88	45	0.05	0.088	0.631	0.	0.014	0.118	0.004	0.016	0.1	0.196
00403	PH, LAB, STANDARD UNITS SU	10/08/68-02/18/88	6	6.85	6.833	7.3	6.3	0.159	0.398	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/08/68-02/18/88	6	6.825	6.688	7.3	6.3	0.184	0.429	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/68-02/18/88	6	0.15	0.205	0.501	0.05	0.031	0.176	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	10/08/68-02/18/88	5	18.	17.8	23.	14.	11.2	3.347	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-02/18/88	27	12.	21.481	103.	0.	701.548	26.487	2.5	5.	24.	72.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-02/18/88	27	3.	4.648	18.	0.	16.131	4.016	0.8	2.	6.	10.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-02/18/88	27	9.	17.037	91.	0.	544.999	23.345	0.4	2.5	18.	55.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-02/18/88	40 ##	0.05	0.09	0.4	0.005	0.007	0.082	0.05	0.05	0.1	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	39 ##	0.005	0.01	0.05	0.005	0.	0.01	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-02/18/88	34	0.415	0.779	6.799	0.05	1.941	1.393	0.095	0.273	0.643	0.965
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-02/18/88	39	0.3	0.324	1.8	0.05	0.079	0.281	0.1	0.2	0.4	0.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/79-02/18/88	14 ##	0.05	0.096	0.3	0.05	0.006	0.08	0.05	0.05	0.125	0.25
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/25/79-02/18/88	15	0.01	0.028	0.17	0.005	0.002	0.042	0.005	0.005	0.03	0.098
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/29/75-08/27/87	25	5.	5.22	10.	5.	4.543	2.132	3.	4.	7.	8.4
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-06/13/79	19	5.	6.526	15.	3.	8.708	2.951	3.	5.	9.	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-07/07/86	8 ##	5.	6.875	20.	5.	28.125	5.303	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-07/07/86	5	5.	9.6	30.	2.	132.3	11.502	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-07/07/86	9 ##	5.	18.222	109.	5.	1164.694	34.128	5.	5.	10.	109.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-04/27/88	37	200.	605.135	6100.	10.	1514264.565	1230.555	50.	100.	600.	1920.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-04/27/88	37	2.301	2.301	3.785	1.	0.367	0.606	1.699	2.	2.778	3.28
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	200.195							
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/13/79	25 ##	0.05	0.063	0.2	0.025	0.002	0.045	0.025	0.05	0.05	0.14
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/13/79	25	0.03	0.037	0.12	0.005	0.001	0.028	0.005	0.01	0.05	0.072
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-07/07/86	7 ##	0.25	0.436	1.3	0.25	0.154	0.392	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0027

NPS Station ID: FRSP0027
 Location: RT. 17/2 BRIDGE
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes: 0215002 002970
 RMI-Miles: 0107.97 0000.57
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104042
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: HAZEL RUN SECTION: 04 AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VIRGINIA
 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

LAT/LON: 38.291948/ -77.457503

Agency: 21VASWCB
 FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY
 STORET Station ID(s): 3-HAL000.57 /VA3-04-X0006/VA3-3X0006
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0

Elevation: 0

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1: ON

On/Off RF3:

RF1 Mile Point: 4.670

RF3 Mile Point: 0.00

Parameter Inventory for Station: FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	192	13.45	13.396	26.2	0.5	57.299	7.57	3.	6.8	20.375	24.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	10/12/88-03/17/92	26	4.55	11.504	82.	1.5	340.6	18.455	2.1	3.05	8.975	39.5
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/15/94-11/23/98	19	7.8	10.1	35.8	2.2	58.453	7.645	4.3	5.4	13.	20.
00080 COLOR (PLATINUM-COBALT UNITS)	02/13/91-02/17/93	10	31.	42.1	96.	14.	785.656	28.03	14.6	23.	65.25	94.8
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	130	161.	287.962	8520.	10.	719306.471	848.119	102.	119.	216.5	296.5
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/89-11/23/98	43	156.	165.767	710.	76.	8373.278	91.506	105.8	132.	186.	201.2
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/30/92-11/23/98	29	10.4	10.255	13.5	6.9	4.001	2.	7.3	8.65	11.7	13.2
00300 OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	164	9.75	9.838	14.6	5.	4.427	2.104	7.25	8.2	11.5	12.85
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	142	1.65	1.92	10.	0.5	2.538	1.593	1.	1.	2.	3.
00340 COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	142	10.	11.645	60.	0.02	63.552	7.972	4.3	7.	14.	21.
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	190	7.	6.996	10.39	5.3	0.359	0.599	6.4	6.7	7.3	7.5
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	190	7.	6.636	10.39	5.3	0.49	0.7	6.4	6.7	7.3	7.5
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	190	0.1	0.231	5.012	0.	0.245	0.495	0.032	0.05	0.2	0.398
00403 PH, LAB, STANDARD UNITS SU	07/26/83-11/23/98	79	6.7	6.754	8.8	6.3	0.116	0.341	6.4	6.6	6.9	7.2
00403 CONVERTED PH, LAB, STANDARD UNITS	07/26/83-11/23/98	79	6.7	6.67	8.8	6.3	0.124	0.351	6.4	6.6	6.9	7.2
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/83-11/23/98	79	0.2	0.214	0.501	0.002	0.013	0.113	0.063	0.126	0.251	0.398
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/83-11/23/98	79	21.	21.304	45.	6.	79.496	8.916	11.	14.	28.	35.
00500 RESIDUE, TOTAL (MG/L)	07/03/79-11/23/98	58	110.	131.172	731.	45.	9082.496	95.302	82.	96.	132.75	192.8
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/03/79-11/23/98	58	29.5	34.741	200.	11.	689.213	26.253	18.	25.	35.	44.5
00510 RESIDUE, TOTAL FIXED (MG/L)	07/03/79-11/23/98	58	82.	109.897	700.	27.	13433.498	115.903	54.9	65.75	103.25	173.5
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	144	5.	23.181	660.	0.5	5728.048	75.684	2.	2.5	8.75	32.5
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	144	2.5	4.826	55.	0.5	65.515	8.094	1.	1.5	4.	10.5
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	144	2.5	19.222	605.	0.	4618.454	67.959	1.	2.5	6.	22.5
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	188	0.1	0.461	15.5	0.02	2.061	1.436	0.05	0.05	0.3	0.9
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	190	0.01	0.077	5.6	0.005	0.186	0.431	0.005	0.005	0.04	0.1
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	160	0.73	1.304	9.5	0.02	2.227	1.492	0.43	0.55	1.4	2.897
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	187	0.4	0.879	22.6	0.05	4.011	2.003	0.2	0.3	0.8	1.42
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/27/76-06/04/79	29	0.9	1.969	9.9	0.09	5.957	2.441	0.33	0.6	2.75	5.
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	137	0.1	0.348	11.8	0.	1.457	1.207	0.05	0.05	0.2	0.56
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	110	0.05	0.335	11.	0.005	1.456	1.207	0.01	0.03	0.143	0.6
00674 PHOSPHORUS, SUSPENDED ORTHOPHOSPHATE (MG/L AS P)	02/28/91-02/28/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	129	4.	5.072	16.7	0.5	9.449	3.074	2.4	3.15	6.	9.
00900 HARDNESS, TOTAL (MG/L AS CACO3)	07/22/87-11/23/98	67	42.	52.552	520.	16.	3718.372	60.978	27.	32.	54.	76.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/10/79-04/10/79	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/12/88-11/23/98	52	19.	23.173	218.	6.	849.009	29.138	9.	13.	23.75	31.
00945	SULFATE, TOTAL (MGL AS SO4)	11/14/88-11/23/98	51	14.	14.078	20.	10.	6.674	2.583	11.	12.	16.	18.
00951	FLUORIDE, TOTAL (MGL AS F)	11/14/88-02/17/93	27 ##	0.05	0.077	0.25	0.015	0.002	0.049	0.045	0.05	0.11	0.134
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/11/89-02/17/93	24	12.25	11.854	16.	6.2	5.905	2.43	8.75	9.85	13.2	15.5
01002	ARSENIC, TOTAL (UG/L AS AS)	10/21/75-09/15/94	18 ##	1.	1.833	5.	0.5	3.265	1.807	0.5	0.5	3.125	5.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	04/09/81-08/27/97	6 ##	3.65	4.908	12.1	0.95	20.044	4.477	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/26/83-02/17/93	4 ##	3.75	3.25	5.	0.5	4.75	2.179	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/26/83-08/27/97	4 ##	1.125	1.313	2.	1.	0.224	0.473	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/06/75-09/15/94	19 ##	5.	5.079	30.	0.5	43.202	6.573	0.5	0.5	5.	10.
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/09/81-08/27/97	6 ##	0.1	0.103	0.125	0.095	0.	0.011	**	**	**	**
01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/09/81-08/27/97	6	12.4	12.88	24.3	3.28	53.526	7.316	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/75-09/15/94	19 ##	5.	7.026	25.	0.5	59.152	7.691	0.5	1.	5.	25.
01042	COPPER, TOTAL (UG/L AS CU)	05/06/75-09/15/94	19 ##	5.	12.684	70.	5.	258.561	16.08	5.	5.	10.	31.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	04/09/81-08/27/97	6	7.45	8.253	14.7	2.12	21.762	4.665	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/13/78-09/15/94	9	820.	1172.889	2900.	480.	722911.861	850.242	480.	640.	1713.5	2900.
01051	LEAD, TOTAL (UG/L AS PB)	05/06/75-09/15/94	19	5.	4.737	13.	0.5	15.371	3.921	1.	1.	7.	13.
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	04/09/81-08/27/97	6	28.5	32.987	70.3	7.72	475.551	21.807	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/13/78-09/15/94	8	140.35	143.713	230.	80.	3349.89	57.878	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	07/26/83-02/17/93	4 ##	5.	5.5	10.	2.	11.	3.317	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/06/75-04/10/79	7 ##	50.	43.571	50.	5.	289.286	17.008	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/09/79-09/15/94	12 ##	5.	15.417	50.	5.	252.083	15.877	5.	5.	25.	47.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	04/09/81-08/27/97	6	6.05	6.308	12.4	0.95	14.492	3.807	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	09/20/88-09/20/88	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/06/75-09/15/94	19	20.	31.947	110.	5.	718.053	26.797	5.	11.	50.	70.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	04/09/81-08/27/97	6	50.2	60.833	116.	14.1	1649.699	40.616	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/26/83-09/15/94	6 ##	7.5	6.333	10.	0.5	18.167	4.262	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/26/83-08/27/97	4 ##	1.5	2.275	5.1	1.	3.769	1.941	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	165	100.	858.242	8000.	20.	3237554.819	1799.321	50.	50.	650.	2720.
31616p	LOG FECAL, COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	165	2.	2.334	3.903	1.301	0.451	0.671	1.699	1.699	2.812	3.434
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		215.735									
32240	TANNIN AND LIGNIN (MG/L)	05/14/92-02/17/93	3	0.4	0.4	0.5	0.3	0.01	0.1	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/17/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	07/17/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	07/17/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	07/17/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34366	EDRIN ALDEHYDE TOTWUG/L	07/17/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34480	THALLIUM DRY WGTBOTMG/KG	05/26/83-08/27/97	4 ##	1.625	2.063	4.	1.	1.849	1.36	**	**	**	**
34671	PCB - 1016 TOTWUG/L	07/17/85-08/11/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/17/85-07/22/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38451	DICHLORPROP WATER,SUSPUG/L	07/17/85-07/22/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
38745	2,4-DB WATER, TOTUG/L	07/17/85-08/11/93	3 ##	0.1	0.117	0.15	0.1	0.001	0.029	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/13/79-08/11/93	7	0.	0.021	0.05	0.	0.001	0.027	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	10/29/85-08/27/97	2 ##	0.005	0.005	0.005	0.	0.	**	**	**	**	
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/13/79-09/30/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/13/79-09/30/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/13/79-09/30/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/13/79-09/30/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39315	O,P'DDD IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	9	0.	0.012	0.05	0.	0.	0.022	0.	0.	0.028	0.05
39333	ALDRIN IN BOTTOM DEPOS (UG/KILOGRAM DRY SOLIDS)	04/09/81-08/27/97	4	0.	0.005	0.02	0.	0.	0.01	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/17/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/17/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/17/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/13/79-09/30/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	10/29/85-08/27/97	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/29/85-08/27/97	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	7	0.	0.018	0.05	0.	0.001	0.024	**	**	**	**
39393 ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	10/29/85-08/27/97	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39410 HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	10/29/85-08/27/97	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39492 PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39500 PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/17/85-08/11/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	09/13/79-08/11/93	5	0.	0.05	0.25	0.	0.013	0.112	**	**	**	**
39526 PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	10/29/85-08/27/97	2 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	09/23/82-07/30/84	2	0.	0.	0.	0.	0.	0.	**	**	**	**
39631 ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/09/81-05/16/84	4	0.	0.008	0.03	0.	0.	0.015	**	**	**	**
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/13/79-09/30/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39730 2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	3 ##	0.1	0.117	0.15	0.1	0.001	0.029	**	**	**	**
39740 2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	3 ##	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
39760 SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/17/85-08/11/93	3 ##	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
46570 HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	02/17/93-09/15/94	2	42.5	42.5	58.	27.	480.5	21.92	**	**	**	**
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	08/09/75-07/22/87	12	0.	0.017	0.1	0.	0.002	0.039	0.	0.	0.	0.1
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	50	0.1	0.393	4.8	0.05	0.728	0.853	0.05	0.05	0.3	1.23
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	78	0.04	0.181	2.6	0.01	0.17	0.413	0.01	0.02	0.123	0.405
71900 MERCURY, TOTAL (UG/L AS HG)	05/06/75-09/15/94	19 ##	0.15	0.229	1.25	0.15	0.063	0.251	0.15	0.15	0.25	0.25
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	04/09/81-08/27/97	6 ##	0.055	0.068	0.1	0.05	0.001	0.025	**	**	**	**
77825 ALACHLOR WHOLE WATER,UG/L	07/17/85-08/11/93	3 ##	0.1	0.068	0.1	0.005	0.003	0.055	**	**	**	**
82032 CALCIUM - TOTAL UG/L (AS CA)	02/17/93-02/17/93	1	6780.	6780.	6780.	6780.	0.	0.	**	**	**	**
82078 TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-05/31/94	9	8.6	17.733	78.	3.1	566.483	23.801	3.1	5.7	21.25	78.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0027

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
						Obs	Prop.	Obs	Prop.	Obs	Prop.	Obs	Prop.	
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	26	2	0.08	8	0	0.00	13	1	0.08	5	1	0.20
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	19	0	0.00	6	0	0.00	9	0	0.00	4	0	0.00
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	29	0	0.00	7	0	0.00	15	0	0.00	7	0	0.00
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	164	0	0.00	49	0	0.00	75	0	0.00	40	0	0.00
00400 PH	Fresh Chronic	9.	190	2	0.01	57	1	0.02	87	1	0.01	46	0	0.00
	Other-Lo Lim.	6.5	190	35	0.18	57	9	0.16	87	18	0.21	46	8	0.17
00403 PH, LAB	Fresh Chronic	9.	79	0	0.00	27	0	0.00	33	0	0.00	19	0	0.00
	Other-Lo Lim.	6.5	79	18	0.23	27	3	0.11	33	12	0.36	19	3	0.16
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	190	2	0.01	55	2	0.04	87	0	0.00	48	0	0.00
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	160	0	0.00	49	0	0.00	71	0	0.00	40	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	29	0	0.00	6	0	0.00	15	0	0.00	8	0	0.00
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	52	0	0.00	15	0	0.00	26	0	0.00	11	0	0.00
	Drinking Water	250.	52	0	0.00	15	0	0.00	26	0	0.00	11	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	51	0	0.00	14	0	0.00	26	0	0.00	11	0	0.00
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	27	0	0.00	8	0	0.00	14	0	0.00	5	0	0.00
01002 ARSENIC, TOTAL	Fresh Acute	360.	18	0	0.00	10	0	0.00	6	0	0.00	2	0	0.00
	Drinking Water	50.	18	0	0.00	10	0	0.00	6	0	0.00	2	0	0.00
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	4	0	0.00	3	0	0.00	1	0	0.00			
	Drinking Water	4.	2 &	0	0.00	2	0	0.00						
01027 CADMIUM, TOTAL	Fresh Acute	3.9	10 &	2	0.20	9	2	0.22	1	0	0.00			
	Drinking Water	5.	10 &	2	0.20	9	2	0.22	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

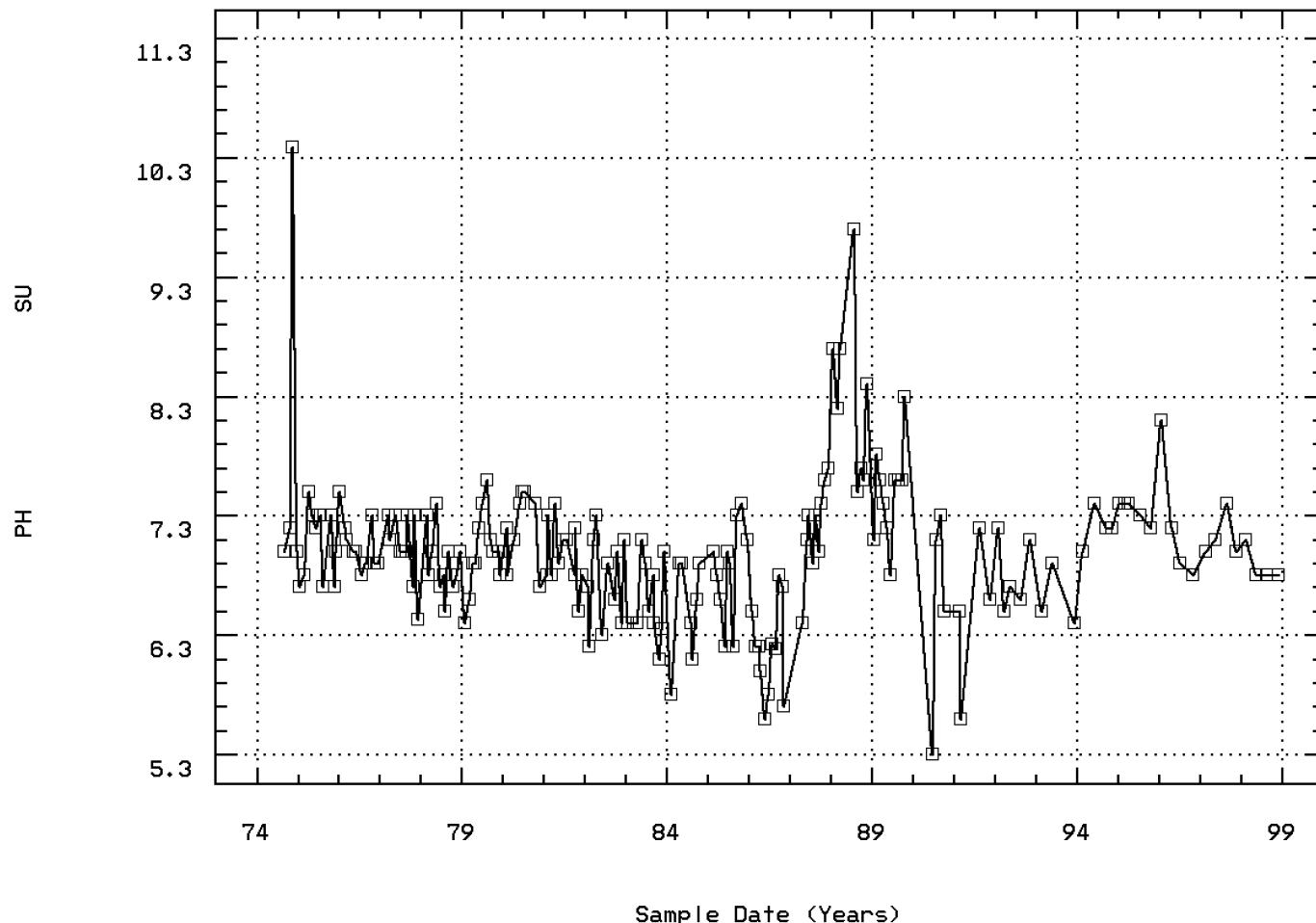
EPA Water Quality Criteria Analysis for Station: FRSP0027

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01034 CHROMIUM, TOTAL	Drinking Water	100.	19	0	0.00	10	0	0.00	6	0	0.00	3	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	17 &	2	0.12	9	1	0.11	5	1	0.20	3	0	0.00
01051 LEAD, TOTAL	Drinking Water	1300.	19	0	0.00	10	0	0.00	6	0	0.00	3	0	0.00
01059 THALLIUM, TOTAL	Fresh Acute	82.	19	0	0.00	10	0	0.00	6	0	0.00	3	0	0.00
01065 NICKEL, DISSOLVED	Drinking Water	15.	19	0	0.00	10	0	0.00	6	0	0.00	3	0	0.00
01067 NICKEL, TOTAL	Fresh Acute	1400.	4	0	0.00	3	0	0.00	1	0	0.00	3	0	0.00
01077 SILVER, TOTAL	Drinking Water	2.	1 &	1	1.00	1	1	1.00						
01092 ZINC, TOTAL	Fresh Acute	1400.	7	0	0.00				4	0	0.00	3	0	0.00
01147 SELENIUM, TOTAL	Drinking Water	100.	12	0	0.00	10	0	0.00	2	0	0.00	3	0	0.00
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Fresh Acute	4.1	1	0	0.00	1	0	0.00						
34356 ENDOSULFAN, BETA, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00						
34361 ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	120.	19	0	0.00	10	0	0.00	6	0	0.00	3	0	0.00
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Drinking Water	5000.	19	0	0.00	10	0	0.00	6	0	0.00	3	0	0.00
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	20.	7	0	0.00	6	0	0.00				1	0	0.00
39310 P,P' DDD IN WHOLE WATER SAMPLE	Drinking Water	0.22	3	0	0.00	3	0	0.00				1	0	0.00
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	0.22	3	0	0.00	3	0	0.00				1	0	0.00
39330 ALDRIN IN WHOLE WATER SAMPLE	Drinking Water	1050.	7	0	0.00	6	0	0.00				1	0	0.00
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	3.	9	0	0.00	8	0	0.00				1	0	0.00
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Drinking Water	20.	3	0	0.00	3	0	0.00				1	0	0.00
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.2	4	0	0.00	3	0	0.00				1	0	0.00
39390 ENDRIN IN WHOLE WATER SAMPLE	Drinking Water	0.18	7	0	0.00	6	0	0.00				1	0	0.00
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	2.	7	0	0.00	6	0	0.00				1	0	0.00
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Drinking Water	0.73	3	0	0.00	3	0	0.00						
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	3	0	0.00						
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	0.52	3	0	0.00	3	0	0.00						
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	40.	4	0	0.00	3	0	0.00				1	0	0.00
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	3.	2	0	0.00	2	0	0.00				1	0	0.00
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	6.	4	0	0.00	3	0	0.00				1	0	0.00
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	1.	4	0	0.00	3	0	0.00				1	0	0.00
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	70.	3	0	0.00	3	0	0.00						
71900 MERCURY, TOTAL	Drinking Water	50.	3	0	0.00	3	0	0.00						
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	9	1	0.11	2	0	0.00	4	0	0.00	3	1	0.33

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: FRSP0027 Parameter Code: 00400

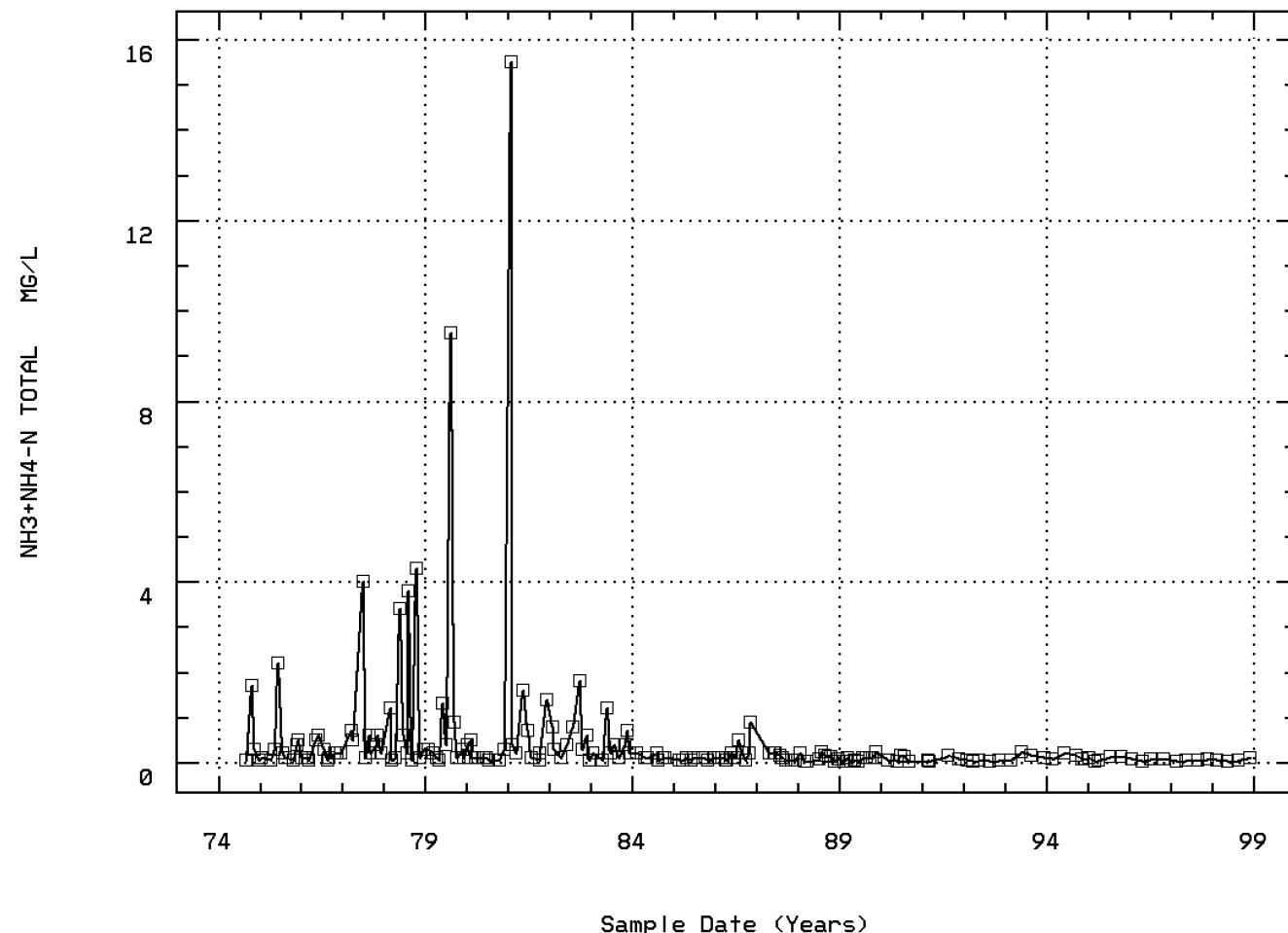
PH (STANDARD UNITS)



RT. 17/2 BRIDGE

Station: FRSP0027 Parameter Code: 00610

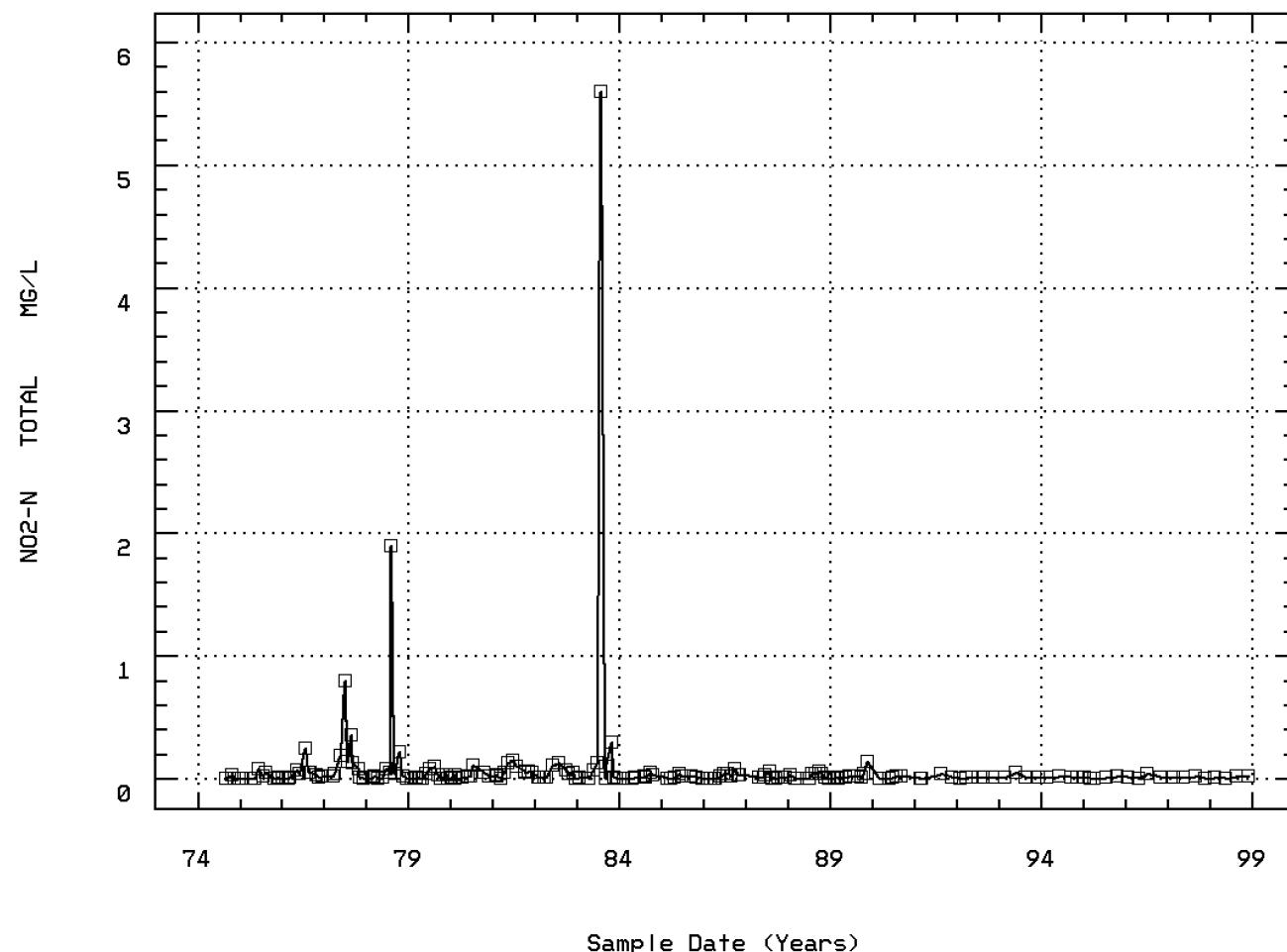
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 17/2 BRIDGE

Station: FRSP0027 Parameter Code: 00615

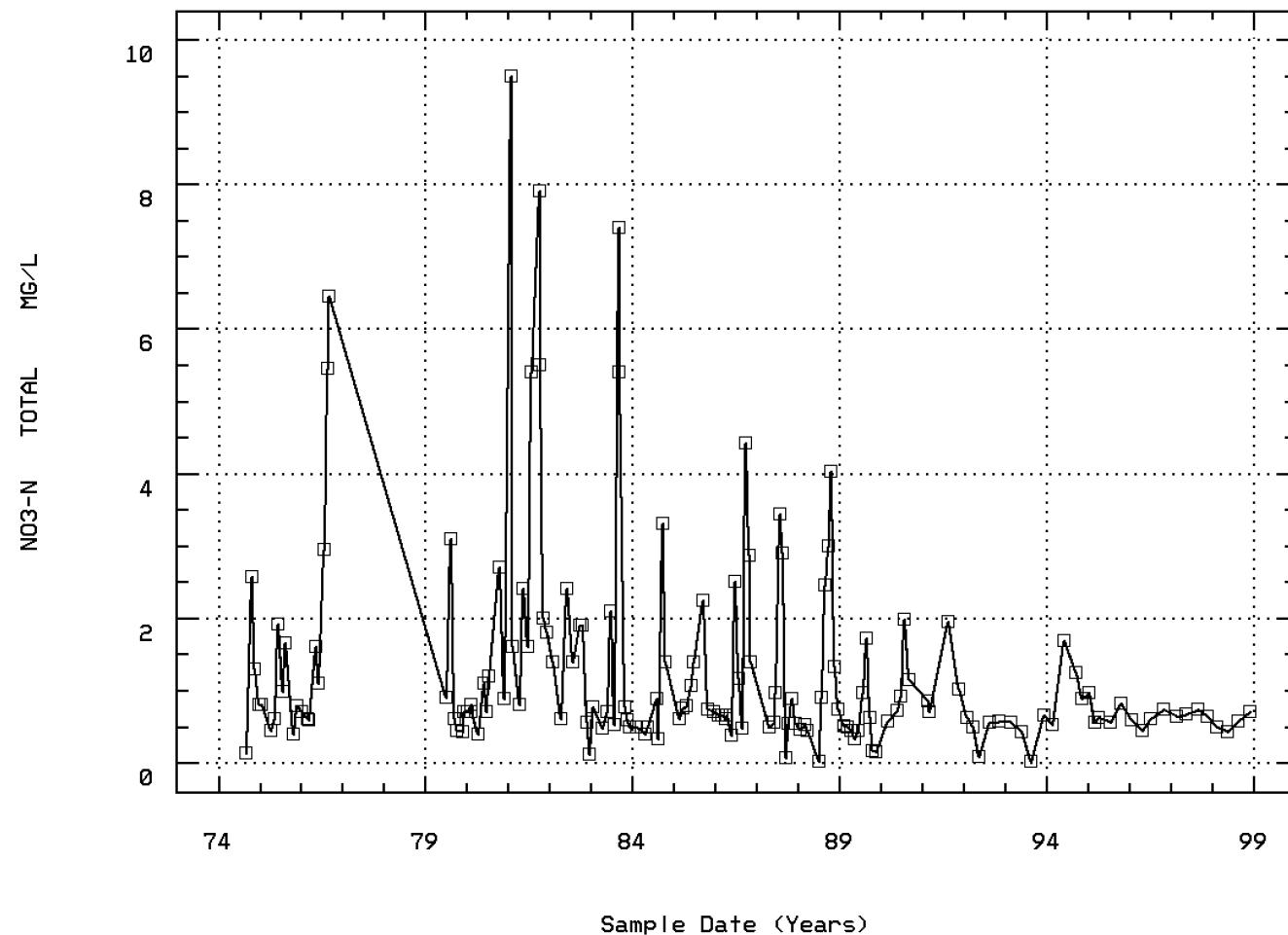
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 17/2 BRIDGE

Station: FRSP0027 Parameter Code: 00620

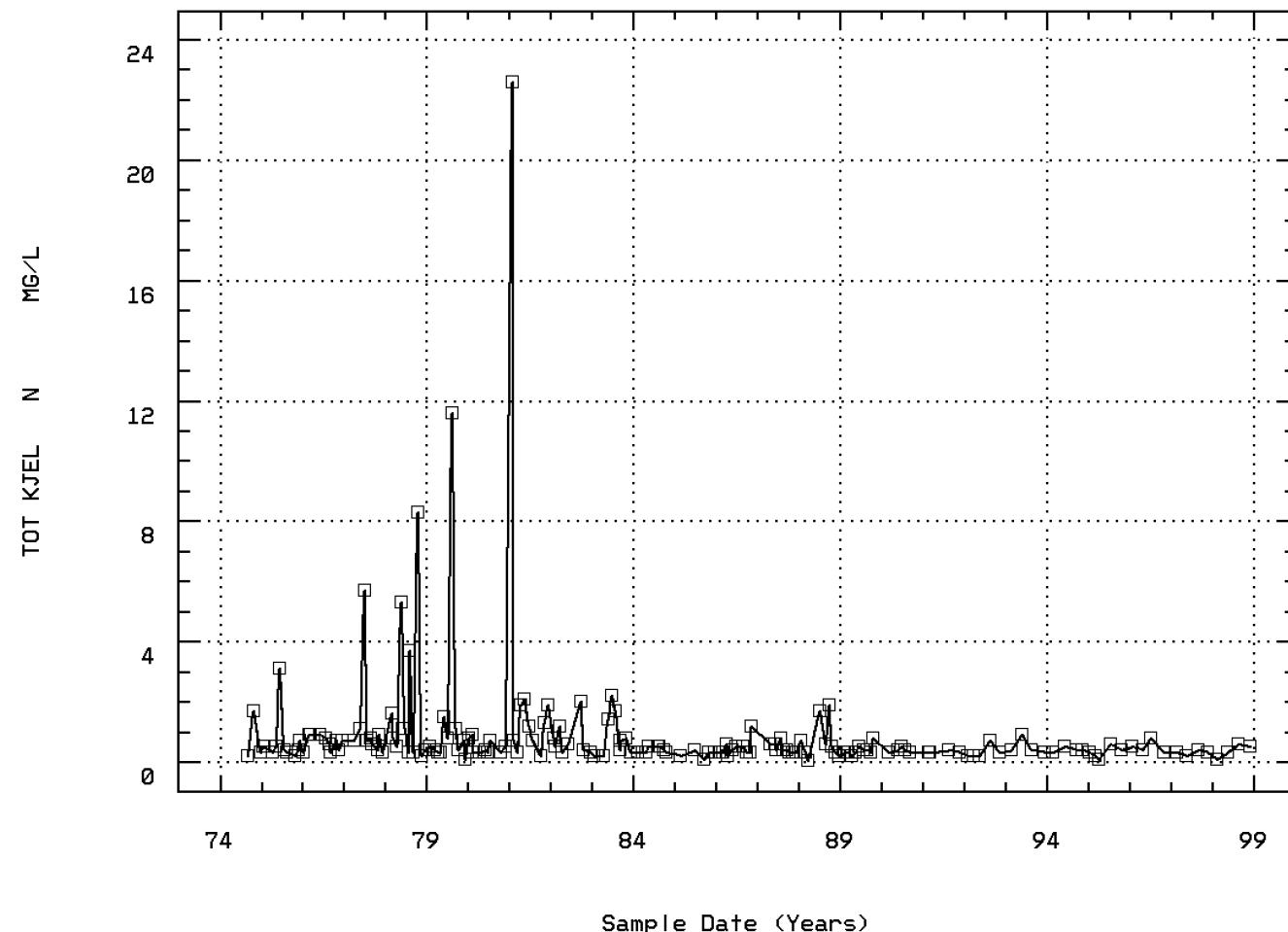
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 17/2 BRIDGE

Station: FRSP0027 Parameter Code: 00625

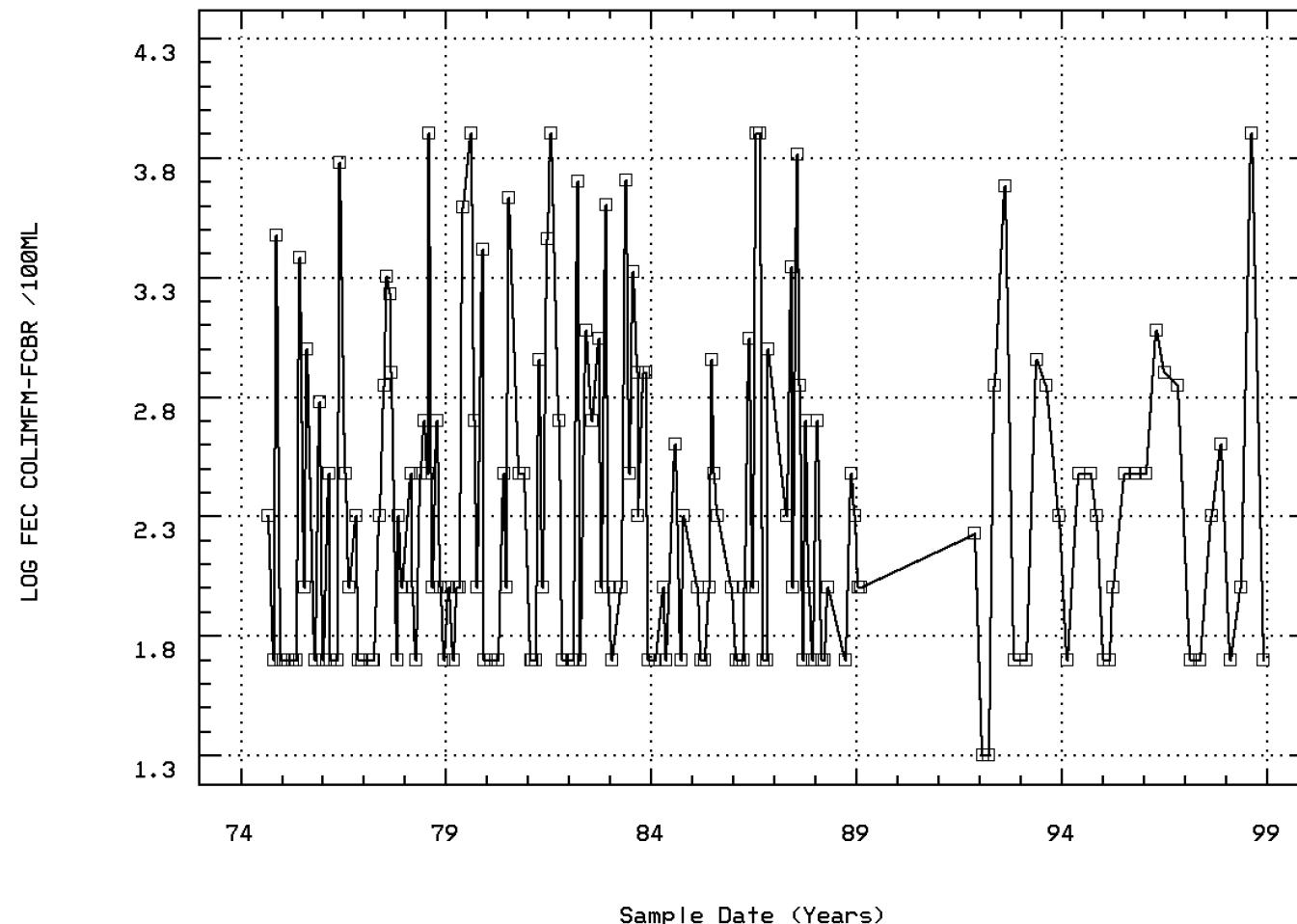
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 17/2 BRIDGE

Station: FRSP0027 Parameter Code: 31616

LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



RT. 17/2 BRIDGE

Annual Analysis for 1974 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	4	10.3	13.625	25.	8.9	58.003	7.616	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	4	10.35	10.075	11.	8.6	1.063	1.031	**	**	**	**
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.1	7.898	10.39	7.	2.77	1.664	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.089	7.182	10.39	7.	3.453	1.858	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	4	0.082	0.066	0.1	0.	0.002	0.047	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	4 ##	0.175	0.525	1.699	0.05	0.627	0.792	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4 ##	0.005	0.011	0.03	0.005	0.	0.013	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	1.05	1.2	2.569	0.13	1.063	1.031	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	4	0.65	0.8	1.699	0.2	0.486	0.697	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4 ##	125.	825.	3000.	50.	2107500.	1451.723	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4 ##	2.	2.294	3.477	1.699	0.703	0.838	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	196.799								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	4 ##	0.225	0.55	1.7	0.05	0.615	0.784	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	4 ##	0.225	0.525	1.599	0.05	0.54	0.735	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	10	11.1	12.61	22.2	2.2	53.259	7.298	2.48	7.1	19.6	22.15
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	10	10.6	10.44	13.2	7.9	3.216	1.793	7.91	8.675	11.925	13.08
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	10	7.1	7.05	7.5	6.7	0.094	0.306	6.7	6.7	7.3	7.48
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	10	7.089	6.958	7.5	6.7	0.103	0.321	6.7	6.7	7.3	7.48
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	10	0.082	0.11	0.2	0.032	0.005	0.071	0.033	0.05	0.05	0.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	9	0.2	0.433	2.199	0.05	0.464	0.681	0.05	0.075	0.45	2.199
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	9 ##	0.005	0.021	0.08	0.005	0.001	0.027	0.005	0.005	0.035	0.08
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	8	0.795	0.947	1.919	0.39	0.309	0.556	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	9	0.4	0.711	3.099	0.2	0.823	0.907	0.2	0.3	0.6	3.099
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	9 ##	50.	483.333	2400.	50.	630000.	793.725	50.	50.	800.	2400.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	9 ##	1.699	2.184	3.38	1.699	0.457	0.676	1.699	1.699	2.889	3.38
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	152.648								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	9	0.1	0.167	0.6	0.05	0.034	0.184	0.05	0.05	0.25	0.6
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	9	0.05	0.116	0.3	0.03	0.011	0.103	0.03	0.04	0.22	0.3

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	11	10.	12.891	26.1	0.6	80.683	8.982	1.04	6.1	20.6	25.88
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	11	10.	10.073	13.5	7.3	4.606	2.146	7.32	7.6	12.	13.26
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	11	7.	7.045	7.5	6.8	0.045	0.211	6.82	6.9	7.2	7.46
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	11	7.	7.005	7.5	6.8	0.046	0.216	6.82	6.9	7.2	7.46
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	11	0.1	0.099	0.158	0.032	0.002	0.039	0.035	0.063	0.126	0.152
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.2	0.218	0.6	0.05	0.033	0.182	0.05	0.1	0.3	0.58
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.03	0.049	0.25	0.005	0.005	0.07	0.005	0.01	0.05	0.214
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	8	1.349	2.429	6.449	0.59	5.389	2.322	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	11	0.7	0.682	1.	0.3	0.064	0.252	0.3	0.4	0.9	0.98
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10 ##	75.	715.	6000.	50.	3458916.667	1859.816	50.	50.	300.	5430.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10 ##	1.849	2.153	3.778	1.699	0.436	0.661	1.699	1.699	2.477	3.648
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	142.176								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	11 ##	0.05	0.109	0.5	0.05	0.017	0.132	0.05	0.05	0.1	0.42
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	11	0.04	0.084	0.47	0.01	0.018	0.133	0.01	0.01	0.09	0.398

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	10	12.4	13.2	25.	0.9	87.544	9.357	0.98	2.375	23.5	25.
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	10	8.35	8.47	11.8	5.3	3.918	1.979	5.45	7.1	9.775	11.74
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	10	7.05	7.043	7.3	6.43	0.085	0.292	6.457	6.925	7.3	7.3
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	10	7.047	6.939	7.3	6.43	0.097	0.312	6.457	6.925	7.3	7.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	10	0.09	0.115	0.372	0.05	0.01	0.101	0.05	0.05	0.125	0.354
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.55	0.83	4.	0.1	1.313	1.146	0.11	0.2	0.775	3.7
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.105	0.177	0.8	0.005	0.059	0.243	0.006	0.018	0.23	0.755
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	10	0.75	1.22	5.699	0.3	2.539	1.593	0.31	0.55	1.025	5.239
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	200.	585.	2000.	50.	521694.444	722.284	50.	50.	1025.	1970.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	2.301	2.398	3.301	1.699	0.401	0.633	1.699	1.699	2.985	3.294
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	249.956							
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	10	0.15	0.31	1.3	0.05	0.152	0.389	0.05	0.088	0.45	1.23
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	10	0.125	0.308	1.299	0.02	0.151	0.389	0.026	0.087	0.413	1.229

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	12	13.5	14.792	24.5	2.	69.566	8.341	2.45	6.75	23.	24.35
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	12	8.75	9.133	13.2	6.	5.484	2.342	6.27	7.125	11.35	12.99
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	12	6.8	6.9	7.4	6.5	0.065	0.256	6.56	6.725	7.	7.37
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	12	6.8	6.839	7.4	6.5	0.07	0.264	6.56	6.725	7.	7.37
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	12	0.158	0.145	0.316	0.04	0.006	0.075	0.043	0.1	0.189	0.281
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.3	1.282	4.3	0.05	2.837	1.684	0.05	0.1	3.4	4.2
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.02	0.215	1.9	0.005	0.316	0.562	0.005	0.01	0.08	1.564
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	11	0.8	2.045	8.3	0.2	6.969	2.64	0.22	0.3	3.7	7.7
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	11	300.	936.364	8000.	50.	5516045.455	2348.626	50.	100.	500.	6500.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	11	2.477	2.375	3.903	1.699	0.391	0.625	1.699	2.	2.699	3.662
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	237.402							
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	11	0.2	0.995	4.8	0.05	2.616	1.617	0.05	0.05	2.2	4.44
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	11	0.2	0.523	2.6	0.03	0.704	0.839	0.03	0.04	0.45	2.42

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Annual Analysis for 1979 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	11	15.	13.655	20.5	3.	35.873	5.989	3.24	9.	18.	20.4
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	6	128.5	154.667	264.	76.	6442.267	80.264	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	11	9.6	10.064	12.8	7.5	2.841	1.685	7.7	8.8	10.9	12.78
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	5	2.	2.6	5.	1.	2.3	1.517	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	07/03/79-11/23/98	6	13.5	16.17	34.	0.02	145.637	12.068	**	**	**	**
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	11	7.	6.991	7.6	6.4	0.115	0.339	6.44	6.8	7.2	7.56
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	11	7.	6.875	7.6	6.4	0.13	0.36	6.44	6.8	7.2	7.56
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	11	0.1	0.133	0.398	0.025	0.012	0.107	0.028	0.063	0.158	0.369
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	6	9.5	24.583	99.	2.5	1362.242	36.909	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	6	4.5	6.667	17.	2.5	31.367	5.601	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	6	6.5	18.917	82.	1.	983.642	31.363	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.3	1.205	9.5	0.05	7.72	2.779	0.06	0.1	0.9	7.86
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.01	0.029	0.1	0.005	0.001	0.033	0.005	0.005	0.04	0.096
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	6	0.65	1.03	3.1	0.43	1.058	1.029	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	11	0.5	1.609	11.6	0.1	11.143	3.338	0.14	0.3	1.1	9.58
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	6	0.15	0.975	5.1	0.05	4.092	2.023	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	6	0.095	0.753	4.	0.01	2.54	1.594	**	**	**	**

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Annual Analysis for 1979 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	6	8.5	8.5	16.	1.	23.5	4.848	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	10	100.	1550.	8000.	50.	6915555.556	2629.744	50.	87.5	2925.	7590.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	10	2.	2.501	3.903	1.699	0.702	0.838	1.699	1.925	3.459	3.872
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98			316.668								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	09/03/74-06/04/79	5	0.1	0.14	0.3	0.05	0.012	0.108	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	5	0.01	0.078	0.3	0.01	0.016	0.126	**	**	**	**

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Annual Analysis for 1980 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	9	12.9	12.222	24.5	2.	64.677	8.042	2.	3.75	19.2	24.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	9	149.	144.333	283.	10.	5804.5	76.187	10.	95.5	184.	283.
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	9	9.8	10.244	14.6	5.	7.783	2.79	5.	8.9	12.55	14.6
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	9	1.	1.778	4.	1.	1.194	1.093	1.	1.	2.5	4.
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	9	10.	10.778	28.	1.	63.944	7.997	1.	5.	15.	28.
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	9	7.2	7.178	7.5	6.7	0.089	0.299	6.7	6.9	7.45	7.5
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	9	7.2	7.083	7.5	6.7	0.1	0.316	6.7	6.9	7.45	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	9	0.063	0.083	0.2	0.032	0.004	0.06	0.032	0.036	0.129	0.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	9	5.	29.056	193.	2.5	3875.09	62.25	2.5	2.5	22.5	193.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	9	2.5	5.5	29.	1.	79.313	8.906	1.	1.5	4.5	29.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	9	4.	24.389	164.	1.	2809.424	53.004	1.	2.5	18.	164.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	9	0.1	0.189	0.5	0.05	0.028	0.167	0.05	0.075	0.35	0.5
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	9	0.02	0.031	0.11	0.005	0.001	0.033	0.005	0.01	0.04	0.11
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	9	0.8	1.019	2.7	0.39	0.454	0.674	0.39	0.7	1.15	2.7
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	9	0.4	0.5	0.9	0.3	0.058	0.24	0.3	0.3	0.75	0.9
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	9	0.1	0.106	0.2	0.	0.006	0.077	0.	0.05	0.2	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	9	0.08	0.09	0.2	0.04	0.003	0.052	0.04	0.045	0.12	0.2
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	9	9.	9.	14.	5.	9.	3.	5.	6.5	11.5	14.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	7	300.	771.429	4300.	50.	2434880.952	1560.411	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	7	2.477	2.352	3.633	1.699	0.444	0.667	**	**	**	**
	GEOMETRIC MEAN =				224.815								

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Annual Analysis for 1981 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	11	13.5	12.173	25.4	1.	62.198	7.887	1.3	5.	16.7	24.74
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	11	244.	269.818	535.	162.	11898.764	109.081	163.4	180.	308.	500.2
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	10	9.8	9.37	12.	6.5	3.716	1.928	6.52	7.225	10.875	11.94
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	11	2.	2.	5.	1.	1.4	1.183	1.	1.	2.	4.6
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	11	9.	9.091	15.	4.	8.691	2.948	4.4	7.	10.	14.4
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	11	6.9	6.973	7.4	6.5	0.072	0.269	6.56	6.8	7.2	7.38
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	11	6.9	6.899	7.4	6.5	0.078	0.28	6.56	6.8	7.2	7.38
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	11	0.126	0.126	0.316	0.04	0.006	0.079	0.042	0.063	0.158	0.285
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	11##	2.5	5.364	14.	2.5	14.505	3.808	2.5	2.5	8.	12.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	11##	2.5	2.818	5.	1.	1.014	1.007	1.3	2.5	3.	4.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	11##	2.5	3.909	10.	2.5	6.141	2.478	2.5	2.5	5.	9.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.7	2.014	15.5	0.05	20.291	4.505	0.06	0.2	1.4	12.72
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.05	0.064	0.15	0.005	0.002	0.045	0.008	0.03	0.1	0.146
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	2.	3.591	9.5	0.8	8.999	3.	0.84	1.6	5.5	9.18
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	11	1.2	3.009	22.6	0.2	42.707	6.535	0.2	0.3	1.9	18.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	11	0.2	0.777	4.3	0.05	1.577	1.256	0.06	0.1	0.8	3.76

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Annual Analysis for 1981 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	11	0.2	0.59	2.4	0.03	0.575	0.758	0.044	0.1	0.8	2.24
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	11	5.	5.182	9.	1.	5.164	2.272	1.4	4.	7.	8.8
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	300.	1310.	8000.	50.	6286555.556	2507.3	50.	50.	1400.	7490.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	2.349	2.451	3.903	1.699	0.664	0.815	1.699	1.699	3.081	3.859
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	282.719								

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Annual Analysis for 1982 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	8	8.25	9.163	24.3	0.5	58.823	7.67	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	10	173.	1151.8	8520.	119.	6908054.844	2628.318	119.7	155.25	591.75	7829.1
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	10	11.15	10.99	13.4	8.5	2.485	1.577	8.57	9.725	12.275	13.34
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	10	2.	2.4	8.	1.	4.489	2.119	1.	1.	3.	7.5
00340	COD, 25N K2CR2O7 MG/L	07/03/79-11/23/98	10	8.5	16.3	60.	5.	285.567	16.899	5.3	8.	18.	57.
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	10	6.8	6.76	7.3	6.2	0.143	0.378	6.21	6.375	7.1	7.28
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	10	6.789	6.617	7.3	6.2	0.165	0.407	6.21	6.375	7.1	7.28
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	10	0.163	0.242	0.631	0.05	0.041	0.202	0.053	0.079	0.424	0.618
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	10	5.5	23.2	158.	2.5	2365.178	48.633	2.5	2.5	15.	146.1
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	10	2.5	6.8	32.	2.	86.733	9.313	2.	2.375	8.	29.9
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	10	2.75	17.4	126.	0.	1521.267	39.003	0.25	2.5	10.	116.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	9	0.4	0.572	1.8	0.05	0.286	0.535	0.05	0.2	0.8	1.8
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.025	0.045	0.13	0.005	0.002	0.045	0.006	0.01	0.08	0.128
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	1.2	1.227	2.4	0.12	0.502	0.709	0.163	0.588	1.9	2.35
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	10	0.7	0.81	2.	0.3	0.274	0.524	0.3	0.375	1.05	1.92
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	10	0.3	1.84	11.8	0.05	14.164	3.764	0.05	0.05	1.638	11.08
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	10	0.245	1.719	11.	0.01	12.495	3.535	0.012	0.03	1.575	10.35
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	10	3.5	3.7	10.	1.	7.344	2.71	1.	1.	5.	9.5
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	300.	1215.	5000.	50.	3240583.333	1800.162	50.	50.	1900.	4900.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	2.349	2.522	3.699	1.699	0.638	0.799	1.699	1.699	3.21	3.689
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	332.467								

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Annual Analysis for 1983 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	10	15.05	15.07	25.	1.	68.858	8.298	1.35	7.95	22.5	24.9
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	10	132.5	185.4	361.	88.	10698.933	103.436	89.7	112.5	285.75	360.6
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	10	9.1	9.31	14.2	5.6	7.619	2.76	5.64	7.05	11.775	13.98
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	10	2.	1.9	3.	1.	0.767	0.876	1.	1.	3.	3.
00340	COD, 25N K2CR2O7 MG/L	07/03/79-11/23/98	10	7.5	11.4	39.	1.	114.267	10.69	1.4	5.75	14.5	36.7
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	10	6.45	6.595	7.1	6.1	0.109	0.33	6.125	6.388	6.925	7.09
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	10	6.447	6.493	7.1	6.1	0.121	0.347	6.125	6.387	6.925	7.09
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	10	0.357	0.322	0.794	0.079	0.048	0.218	0.081	0.119	0.41	0.76
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	10	9.	46.4	388.	2.5	14426.656	120.111	2.5	4.375	14.	350.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	10	3.25	9.3	54.	1.	259.067	16.096	1.1	2.	8.5	49.9
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	10	5.5	37.6	334.	0.	10857.989	104.202	0.1	2.125	8.25	301.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.2	0.355	1.2	0.05	0.126	0.355	0.055	0.1	0.475	1.15
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.04	0.623	5.6	0.005	3.066	1.751	0.005	0.005	0.173	5.07
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.735	1.923	7.4	0.47	6.014	2.452	0.473	0.523	2.925	7.2
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	10	0.75	0.89	2.2	0.2	0.47	0.685	0.2	0.275	1.475	2.15
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	10	0.35	0.435	1.1	0.05	0.116	0.341	0.05	0.125	0.65	1.07
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	9	0.27	0.403	1.	0.02	0.118	0.343	0.02	0.1	0.7	1.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	10	4.5	5.3	15.	1.	15.344	3.917	1.1	2.75	7.	14.2
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	550.	1030.	5100.	50.	2430666.667	1559.06	50.	87.5	1125.	4800
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	10	2.69	2.592	3.708	1.699	0.457	0.676	1.699	1.925	3.008	3.669
	GEOMETRIC MEAN =				390.405								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	7	15.5	15.657	25.	3.4	42.513	6.52	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	7	96.	120.714	221.	68.	2949.571	54.31	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	7	8.9	9.729	13.1	8.1	3.392	1.842	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	7	1.	1.286	2.	1.	0.238	0.488	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	7	9.	9.571	21.	4.	33.619	5.798	**	**	**	**
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	7	6.6	6.514	6.9	5.8	0.191	0.438	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	7	6.6	6.313	6.9	5.8	0.239	0.489	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	7	0.251	0.487	1.585	0.126	0.292	0.541	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	7##	2.5	3.357	9.	2.	6.226	2.495	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	7##	2.5	2.5	4.	1.	0.75	0.866	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	7##	2.5	2.643	5.	1.	1.393	1.18	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	7	0.1	0.121	0.2	0.05	0.003	0.057	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	7	0.01	0.019	0.05	0.005	0.	0.017	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	7	0.5	1.043	3.3	0.33	1.128	1.062	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	7	0.4	0.4	0.5	0.3	0.01	0.1	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	7	0.1	0.123	0.2	0.05	0.003	0.056	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	7	0.08	0.1	0.2	0.04	0.003	0.053	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	7	3.	3.643	8.	0.5	7.06	2.657	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	6##	75.	141.667	400.	50.	19416.667	139.344	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	6##	1.849	2.	2.602	1.699	0.145	0.381	**	**	**	**
	GEOMETRIC MEAN =				100.								

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Annual Analysis for 1985 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	10	15.5	14.99	25.	4.	43.47	6.593	4.42	9.55	20.5	24.7
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	10	144.	164.4	234.	109.	2561.378	50.61	109.5	123.75	227.75	233.9
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	10	8.6	9.15	12.9	6.	4.883	2.21	6.14	7.475	10.925	12.8
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	10	1.	1.2	2.	1.	0.178	0.422	1.	1.	1.25	2.
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	10	6.5	7.2	11.	3.	7.511	2.741	3.1	5.5	9.5	11.
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	10	6.95	6.85	7.4	6.2	0.169	0.412	6.2	6.5	7.15	7.39
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	10	6.947	6.664	7.4	6.2	0.208	0.456	6.2	6.5	7.15	7.39
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	10	0.113	0.217	0.631	0.04	0.051	0.226	0.041	0.072	0.346	0.631
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	10##	3.75	14.25	99.	2.5	898.292	29.972	2.5	2.5	9.25	90.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	10##	2.75	3.65	9.	2.5	4.225	2.055	2.5	2.5	4.25	8.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	10##	2.5	12.1	90.	1.	755.489	27.486	1.15	2.5	6.25	82.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	8##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	8	0.01	0.014	0.04	0.005	0.	0.012	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	8	0.77	1.036	2.25	0.6	0.306	0.553	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	5	0.3	0.26	0.4	0.1	0.013	0.114	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	5 ##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	8	0.04	0.042	0.1	0.005	0.001	0.028	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	10	4.	4.2	7.	3.	1.956	1.398	3.	3.	5.25	6.9

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Annual Analysis for 1985 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	8	100.	225.	900.	50.	81428.571	285.357	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	8	2.	2.141	2.954	1.699	0.179	0.423	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	138.45								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	11	11.	12.636	23.	0.5	50.455	7.103	0.9	9.	19.	22.3
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	11	159.	155.455	251.	108.	2169.073	46.573	108.8	113.	197.	240.8
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	11	9.9	9.809	13.7	6.6	5.203	2.281	6.72	7.4	11.	13.6
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	11	2.	2.545	8.	0.5	6.023	2.454	0.5	1.	4.	7.6
00340	COD, 25N K2CR2O7 MG/L	07/03/79-11/23/98	11	9.	11.273	21.	1.	32.618	5.711	2.2	8.	15.	20.4
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	11	6.2	6.173	6.8	5.6	0.15	0.388	5.62	5.8	6.5	6.78
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	11	6.2	6.029	6.8	5.6	0.173	0.416	5.62	5.8	6.5	6.78
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	11	0.631	0.936	2.512	0.158	0.593	0.77	0.167	0.316	1.585	2.409
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	11	7.	9.409	40.	2.5	124.441	11.155	2.5	2.5	11.	35.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	11	3.	4.409	11.	2.5	8.741	2.957	2.5	2.5	5.	10.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	11	2.5	6.136	29.	2.	65.605	8.1	2.1	2.5	5.	25.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.1	0.223	0.9	0.05	0.067	0.259	0.05	0.05	0.2	0.82
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.02	0.025	0.08	0.005	0.001	0.023	0.005	0.005	0.04	0.072
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	11	0.65	1.434	4.42	0.38	1.677	1.295	0.4	0.6	2.51	4.11
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	11	0.4	0.509	1.2	0.2	0.101	0.318	0.22	0.3	0.6	1.16
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	11	0.2	0.195	0.7	0.05	0.035	0.186	0.05	0.05	0.2	0.62
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	11	0.05	0.12	0.65	0.03	0.032	0.179	0.032	0.04	0.12	0.544
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	11	5.	4.909	7.	4.	1.091	1.044	4.	4.	6.	6.8
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	11	100.	1686.364	8000.	50.	9896045.455	3145.798	50.	50.	1100.	8000
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	11	2.	2.395	3.903	1.699	0.807	0.898	1.699	1.699	3.041	3.903
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	248.179								

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Annual Analysis for 1987 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	9	18.8	17.6	26.2	7.1	45.653	6.757	7.1	12.05	24.3	26.2
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	9	178.	197.444	366.	102.	8559.278	92.516	102.	115.5	279.	366.
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	9	9.7	8.922	11.5	6.2	3.094	1.759	6.2	7.2	10.1	11.5
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	9	1.	1.111	2.	0.5	0.299	0.546	0.5	0.75	1.5	2.
00340	COD, 25N K2CR2O7 MG/L	07/03/79-11/23/98	9	11.	11.556	25.	4.	40.778	6.386	4.	6.5	14.5	25.
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	9	7.3	7.189	7.7	6.4	0.156	0.395	6.4	6.95	7.5	7.7
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	9	7.3	7.006	7.7	6.4	0.194	0.44	6.4	6.95	7.5	7.7
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	9	0.05	0.099	0.398	0.02	0.014	0.118	0.02	0.032	0.113	0.398
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	9	6.	5.111	11.	2.5	8.486	2.913	2.5	2.5	6.5	11.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	9	2.5	3.889	8.	2.	4.986	2.233	2.	2.5	6	8.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	9##	2.5	2.722	4.	2.5	0.257	0.507	2.5	2.5	2.75	4.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	8	0.125	0.125	0.2	0.05	0.005	0.071	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	9	0.01	0.017	0.06	0.005	0.	0.018	0.005	0.008	0.02	0.06
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	9	0.55	1.153	3.44	0.06	1.392	1.18	0.06	0.515	1.935	3.44
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	9	0.4	0.456	0.8	0.3	0.03	0.174	0.3	0.3	0.6	0.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	9##	0.05	0.078	0.2	0.05	0.003	0.051	0.05	0.05	0.1	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	9	0.03	0.034	0.07	0.005	0.	0.021	0.005	0.015	0.05	0.07
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	5	5.	4.6	5.	4.	0.3	0.548	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	9	200.	1155.556	6500.	50.	4484652.778	2117.7	50.	75.	1450.	6500.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616 LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	9	2.301	2.489	3.813	1.699	0.552	0.743	1.699	1.849	3.094	3.813
31616 GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	308.112							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	8	11.5	12.975	24.3	3.2	75.736	8.703	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	9	255.	731.111	4840.	111.	2380585.861	1542.915	111.	123.5	307.	4840.
00300p OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	8	11.3	11.025	13.5	7.8	4.945	2.224	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	8	2.	3.5	10.	1.	12.	3.464	**	**	**	**
00340 COD, 25N K2CR2O7 MG/L	07/03/79-11/23/98	8	8.	11.625	25.	8.	43.696	6.61	**	**	**	**
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	8	8.3	8.313	9.7	7.5	0.541	0.736	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	8	8.289	7.943	9.7	7.5	0.697	0.835	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	8	0.005	0.011	0.032	0.	0.	0.012	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	9	4.	47.889	229.	2.	6337.299	79.607	2.	2.25	81.5	229.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	9	4.	8.889	23.	2.	65.049	8.065	2.	2.25	16.5	23.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	9 ##	2.5	39.722	206.	0.5	5215.694	72.22	0.5	0.5	65.	206.
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.11	0.11	0.24	0.02	0.006	0.075	0.02	0.035	0.163	0.236
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.02	0.024	0.06	0.005	0.	0.02	0.005	0.005	0.04	0.058
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.815	1.388	4.02	0.02	1.743	1.32	0.062	0.455	2.593	3.917
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	10	0.55	0.725	1.9	0.05	0.396	0.629	0.065	0.275	1.175	1.88
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	10	0.1	0.13	0.3	0.05	0.006	0.079	0.05	0.088	0.2	0.29
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	10	0.025	0.054	0.2	0.005	0.004	0.064	0.006	0.01	0.09	0.192
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	7	4.3	6.771	16.7	1.5	36.956	6.079	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	7	100.	178.571	500.	50.	29047.619	170.434	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	7	2.	2.082	2.699	1.699	0.172	0.415	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	120.783							

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Annual Analysis for 1989 - Station FRSP0027

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	11	12.8	14.109	24.5	1.6	58.479	7.647	2.4	6.3	22.1	24.24
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	7	114.	129.571	201.	102.	1245.619	35.293	**	**	**	**
00300p OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	11	9.8	10.218	13.9	8.1	4.036	2.009	8.12	8.3	12.3	13.58
00310 BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	11	2.	2.818	8.	1.	3.764	1.94	1.	2.	3.	7.2
00340 COD, 25N K2CR2O7 MG/L	07/03/79-11/23/98	11	16.	16.455	28.	7.	46.473	6.817	7.4	11.	20.	27.8
00400p PH (STANDARD UNITS)	09/03/74-11/23/98	10	7.6	7.501	8.3	6.8	0.17	0.412	6.83	7.175	7.653	8.251
00400p CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	10	7.6	7.336	8.3	6.8	0.2	0.447	6.83	7.175	7.652	8.251
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	10	0.025	0.046	0.158	0.005	0.002	0.045	0.006	0.023	0.067	0.151
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	11	4.	79.5	660.	0.5	38703.75	196.733	0.6	1.	38.	555.6
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	11	3.	8.5	55.	0.5	256.05	16.002	0.6	1.	10.	46.8
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	11	2.	71.182	605.	0.5	32675.664	180.764	0.5	0.5	28.	508.8
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.1	0.091	0.23	0.04	0.003	0.057	0.04	0.04	0.103	0.218
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.015	0.029	0.14	0.005	0.002	0.04	0.006	0.01	0.025	0.13
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	10	0.47	0.585	1.72	0.15	0.212	0.46	0.152	0.29	0.705	1.644
00625p NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	10	0.35	0.45	1.	0.2	0.065	0.255	0.21	0.3	0.575	0.98
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	10	0.1	0.12	0.4	0.05	0.012	0.109	0.05	0.05	0.125	0.38
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	10	0.035	0.076	0.37	0.02	0.012	0.019	0.02	0.02	0.073	0.347
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	11	3.6	4.927	11.4	2.9	7.186	2.681	2.9	3.2	6.	10.76
31616 FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	2	100.	100.	100.	100.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	2	2.	2.	2.	2.	0.	0.	**	**	**	**

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Annual Analysis for 1989 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	100.							

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Annual Analysis for 1990 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	7	18.4	15.829	23.5	4.3	59.566	7.718	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	2	142.5	142.5	161.	124.	684.5	26.163	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	7	9.4	10.229	13.3	8.2	3.729	1.931	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	7	2.	2.143	3.	2.	0.143	0.378	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	7	10.	9.571	15.	2.	14.952	3.867	**	**	**	**
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	4	6.8	6.55	7.3	5.3	0.81	0.9	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	4	6.704	5.865	7.3	5.3	1.436	1.198	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	4	0.198	1.364	5.012	0.05	5.927	2.435	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	7	3.	4.357	10.	0.5	13.56	3.682	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	7	2.	1.5	3.	0.5	1.	1.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	7	2.	3.071	8.	0.5	7.536	2.745	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.05	0.074	0.15	0.02	0.004	0.062	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.01	0.012	0.02	0.005	0.	0.008	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.91	1.066	1.98	0.57	0.308	0.555	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	5	0.4	0.38	0.5	0.3	0.007	0.084	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	5	0.1	0.08	0.1	0.05	0.001	0.027	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	5	0.02	0.036	0.1	0.01	0.001	0.036	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	7	3.7	3.786	4.7	2.8	0.448	0.669	**	**	**	**

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Annual Analysis for 1991 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	4	6.7	10.225	23.8	3.7	86.063	9.277	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	4	11.55	11.	12.7	8.2	4.38	2.093	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	4	1.5	1.5	2.	1.	0.333	0.577	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	4	10.5	9.5	12.	5.	9.667	3.109	**	**	**	**
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	4	6.55	6.475	7.2	5.6	0.436	0.66	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	4	6.547	6.105	7.2	5.6	0.619	0.786	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	4	0.284	0.786	2.512	0.063	1.336	1.156	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	2.	2.	2.5	1.5	0.333	0.577	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	2.	2.	2.5	1.5	0.333	0.577	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	2.	2.	2.5	1.5	0.333	0.577	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.065	0.085	0.17	0.04	0.004	0.059	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4##	0.008	0.015	0.04	0.005	0.	0.017	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.935	1.13	1.95	0.7	0.316	0.562	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	4	0.3	0.325	0.4	0.3	0.003	0.05	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	4##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	3	0.01	0.015	0.03	0.005	0.	0.013	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	4	3.45	3.525	4.7	2.5	0.896	0.946	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	1	170.	170.	170.	0.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	1	2.23	2.23	2.23	2.23	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	170.							

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Annual Analysis for 1992 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	5	8.3	11.92	20.5	3.3	58.462	7.646	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	5	143.	144.6	153.	135.	54.8	7.403	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	5	2.	1.5	2.	0.5	0.5	0.707	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	07/03/79-11/23/98	5	7.	10.	21.	2.	73.	8.544	**	**	**	**
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	5	6.7	6.82	7.2	6.5	0.097	0.311	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	5	6.7	6.74	7.2	6.5	0.105	0.324	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	5	0.2	0.182	0.316	0.063	0.012	0.109	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	5	4.	4.	8.	1.	9.5	3.082	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	5	1.	1.3	2.	1.	0.2	0.447	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	5	3.	3.3	6.	1.	4.7	2.168	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.05	0.04	0.06	0.02	0.	0.019	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.01	0.009	0.01	0.005	0.	0.002	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.56	0.468	0.63	0.08	0.05	0.223	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	5	0.2	0.32	0.7	0.2	0.047	0.217	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	5 ##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	5	3.4	3.88	8.5	1.6	7.577	2.753	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	5	50.	1118.	4800.	20.	4320920.	2078.682	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	5	1.699	2.165	3.681	1.301	1.118	1.057	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				146.377								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	3	0.01	0.03	0.07	0.01	0.001	0.035	**	**	**	**

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Annual Analysis for 1993 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	3	8.	10.333	17.4	5.6	38.893	6.236	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	3	111.	117.333	151.	90.	960.333	30.989	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	4	1.	1.5	3.	1.	1.	1.	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	4	11.	15.25	32.	7.	128.917	11.354	**	**	**	**
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	3	6.5	6.6	6.9	6.4	0.07	0.265	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	3	6.5	6.553	6.9	6.4	0.073	0.271	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	3	0.316	0.28	0.398	0.126	0.02	0.14	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	7.	93.75	356.	5.	30570.25	174.844	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	1.5	10.5	38.	1.	336.333	18.339	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	6.	83.25	318.	3.	24496.917	156.515	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.125	0.135	0.24	0.05	0.007	0.081	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.01	0.02	0.05	0.01	0.	0.02	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.49	0.415	0.66	0.02	0.079	0.281	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	4	0.4	0.5	0.9	0.3	0.073	0.271	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	4 ##	0.075	0.1	0.2	0.05	0.005	0.071	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	4	3.8	5.225	10.2	3.1	11.216	3.349	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4	450.	462.5	900.	50.	162291.667	402.854	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4	2.573	2.45	2.954	1.699	0.332	0.576	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				281.731								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	4	0.03	0.045	0.1	0.02	0.001	0.038	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	4	17.55	15.425	23.2	3.4	78.842	8.879	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	4	213.5	211.75	221.	199.	86.25	9.287	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	4	1.05	1.025	1.5	0.5	0.169	0.411	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	4	11.5	12.75	20.	8.	26.25	5.123	**	**	**	**
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.2	7.2	7.4	7.	0.027	0.163	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.2	7.177	7.4	7.	0.027	0.165	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	09/03/74-11/23/98	4	0.063	0.067	0.1	0.04	0.001	0.025	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	5.	5.25	6.	5.	0.25	0.5	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	1.25	1.25	1.5	1.	0.083	0.289	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	4.	4.	5.	3.	0.667	0.816	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.115	0.13	0.21	0.08	0.004	0.063	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.01	0.013	0.02	0.01	0.	0.005	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	1.065	1.083	1.68	0.52	0.247	0.497	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	4	0.4	0.4	0.5	0.3	0.007	0.082	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	4##	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	4	3.25	3.3	3.9	2.8	0.287	0.535	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	4	250.	212.5	300.	50.	13958.333	118.145	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	4	2.389	2.239	2.477	1.699	0.136	0.369	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =		173.205									
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	4	0.02	0.023	0.04	0.01	0.	0.013	**	**	**	**

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Annual Analysis for 1995 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	5	10.1	11.52	24.	1.9	76.357	8.738	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	5	172.	176.8	189.	164.	123.7	11.122	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	5	1.	1.22	2.3	0.5	0.647	0.804	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	5	12.	12.4	23.	7.	40.3	6.348	**	**	**	**
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	5	7.4	7.34	7.4	7.2	0.008	0.089	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	5	7.4	7.332	7.4	7.2	0.008	0.09	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	09/03/74-11/23/98	5	0.04	0.047	0.063	0.04	0.	0.01	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	5	5.	5.1	9.	1.5	9.05	3.008	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	5##	1.5	1.8	3.	1.5	0.45	0.671	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	5	3.	3.6	6.	1.5	5.175	2.275	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.1	0.086	0.12	0.04	0.001	0.038	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.01	0.01	0.02	0.005	0.	0.006	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	5	0.62	0.704	0.97	0.55	0.034	0.184	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	5	0.3	0.32	0.6	0.1	0.037	0.192	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-07/01/96	5##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/74-11/23/98	5	3.9	4.22	6.	2.4	2.382	1.543	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	5	100.	160.	300.	50.	16750.	129.422	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	5	2.	2.07	2.477	1.699	0.153	0.391	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =		117.608									
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	5	0.02	0.028	0.04	0.02	0.	0.011	**	**	**	**

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Annual Analysis for 1996 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	4	11.3	11.775	22.9	1.6	78.856	8.88	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	4	152.	286.75	700.	143.	75928.917	275.552	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	4	1.	0.875	1.	0.5	0.063	0.25	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	4	13.	14.	22.	8.	34.667	5.888	**	**	**	**
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.05	7.25	8.1	6.8	0.35	0.592	**	**	**	**

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Annual Analysis for 1996 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.025	7.051	8.1	6.8	0.403	0.635	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	4	0.094	0.089	0.158	0.008	0.004	0.067	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	5.5	6.25	11.	3.	12.917	3.594	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	4.5	5.25	9.	3.	8.25	2.872	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.07	0.068	0.09	0.04	0.	0.021	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.01	0.016	0.04	0.005	0.	0.016	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.6	0.593	0.73	0.44	0.014	0.119	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	4	0.45	0.5	0.8	0.3	0.047	0.216	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	4##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	3	4.5	4.667	5.5	4.	0.583	0.764	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4	750.	750.	1200.	300.	136666.667	369.685	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4	2.874	2.826	3.079	2.477	0.064	0.253	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			670.074								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	4	0.025	0.025	0.03	0.02	0.	0.006	**	**	**	**

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Annual Analysis for 1997 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	4	8.8	10.75	21.6	3.8	70.203	8.379	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	4	163.5	167.25	194.	148.	431.583	20.775	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	4	1.	1.875	5.	0.5	4.396	2.097	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	4	8.5	7.625	11.	2.5	14.563	3.816	**	**	**	**
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.05	7.125	7.4	7.	0.036	0.189	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	4	7.047	7.098	7.4	7.	0.037	0.192	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	4	0.09	0.08	0.1	0.04	0.001	0.028	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	3.5	4.125	8.	1.5	7.729	2.78	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	2.25	3.25	7.	1.5	6.75	2.598	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.055	0.055	0.09	0.02	0.001	0.029	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.01	0.011	0.02	0.005	0.	0.006	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.66	0.673	0.73	0.64	0.002	0.043	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	4	0.3	0.3	0.4	0.2	0.007	0.082	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	4##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4##	125.	175.	400.	50.	27500.	165.831	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4##	2.	2.075	2.602	1.699	0.204	0.452	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			118.921								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	4	0.02	0.023	0.03	0.02	0.	0.005	**	**	**	**

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Annual Analysis for 1998 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	4	12.3	13.6	24.	5.8	64.287	8.018	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	4	111.5	124.5	179.	96.	1375.	37.081	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	4##	1.	1.25	2.	1.	0.25	0.5	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	3	10.	8.667	11.	5.	10.333	3.215	**	**	**	**
00400p	PH (STANDARD UNITS)	09/03/74-11/23/98	4	6.8	6.875	7.1	6.8	0.022	0.15	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	4	6.8	6.858	7.1	6.8	0.023	0.151	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	4	0.158	0.139	0.158	0.079	0.002	0.04	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	4	4.	7.875	22.	1.5	90.729	9.525	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	4##	1.5	2.375	5.	1.5	3.063	1.75	**	**	**	**

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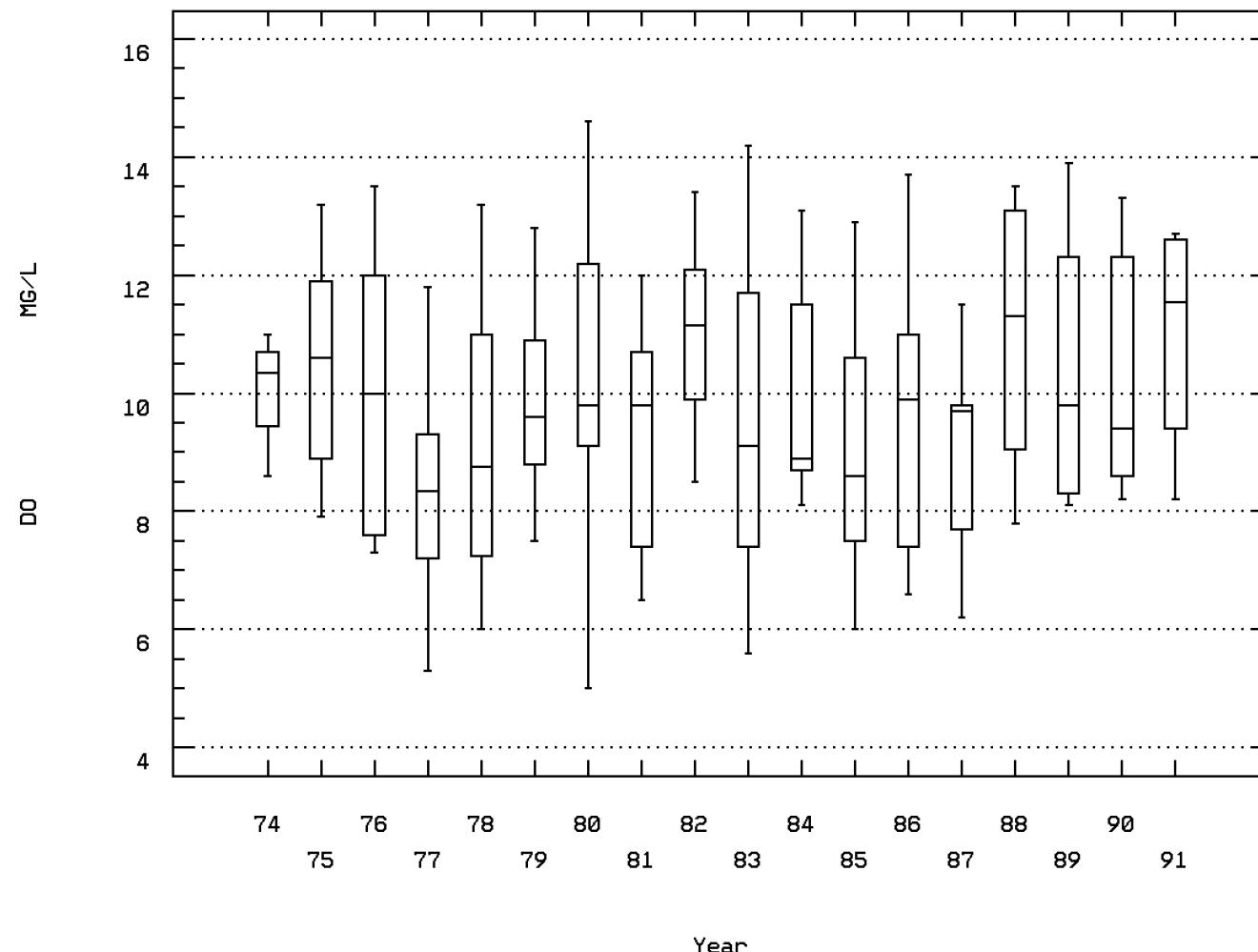
Annual Analysis for 1998 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	4 ##	2.25	5.75	17.	1.5	56.75	7.533	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.055	0.065	0.11	0.04	0.001	0.031	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.015	0.014	0.02	0.005	0.	0.008	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	4	0.54	0.555	0.71	0.43	0.014	0.12	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	4	0.4	0.375	0.6	0.1	0.049	0.222	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	4 ##	0.075	0.075	0.1	0.05	0.001	0.029	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4 ##	75.	2050.	8000.	50.	15735000.	3966.737	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	4 ##	1.849	2.325	3.903	1.699	1.127	1.061	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	211.474								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	4	0.02	0.035	0.08	0.02	0.001	0.03	**	**	**	**

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Station: FRSP0027 Parameter Code: 00300

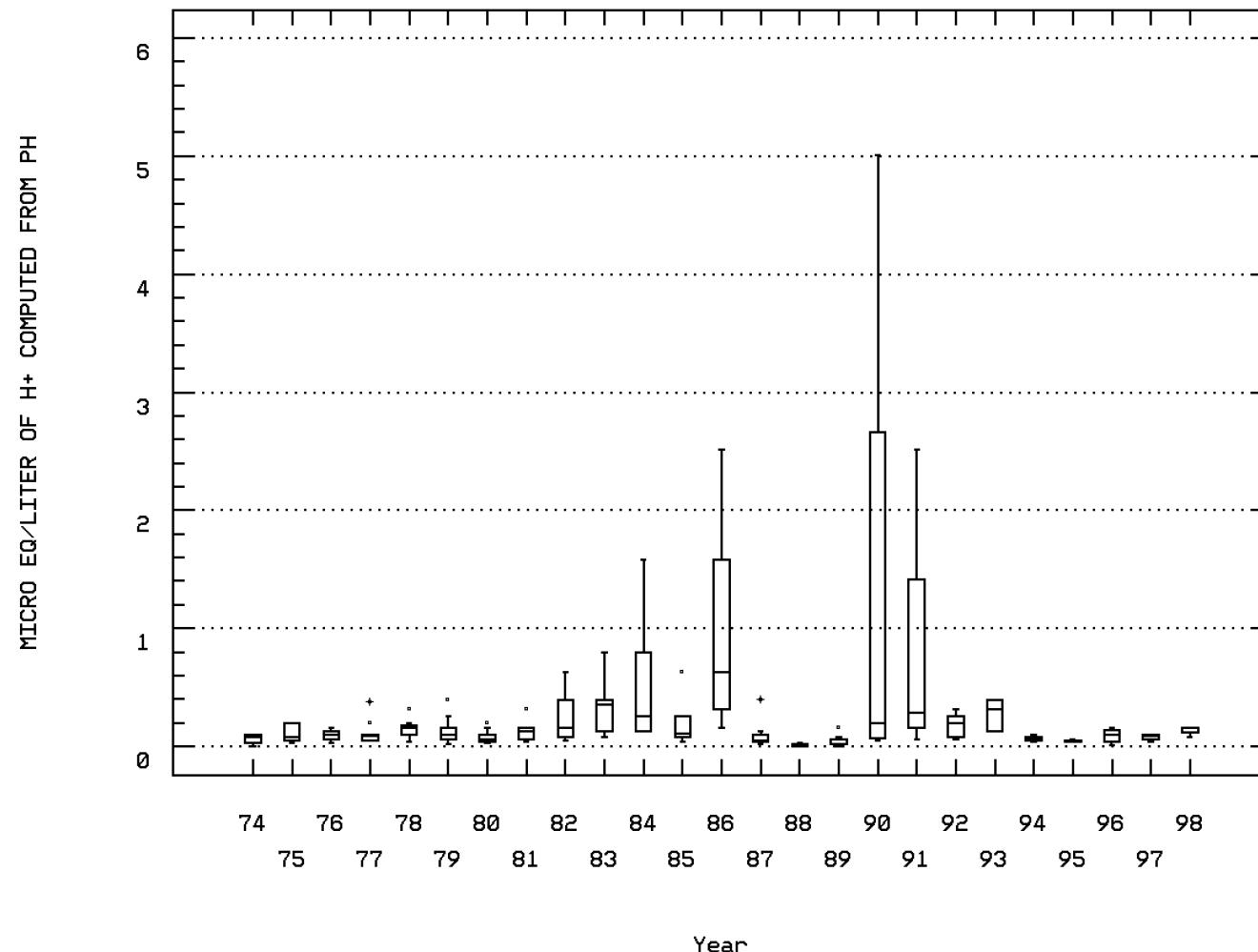
OXYGEN, DISSOLVED



RT. 17/2 BRIDGE

Station: FRSP0027 Parameter Code: 00400

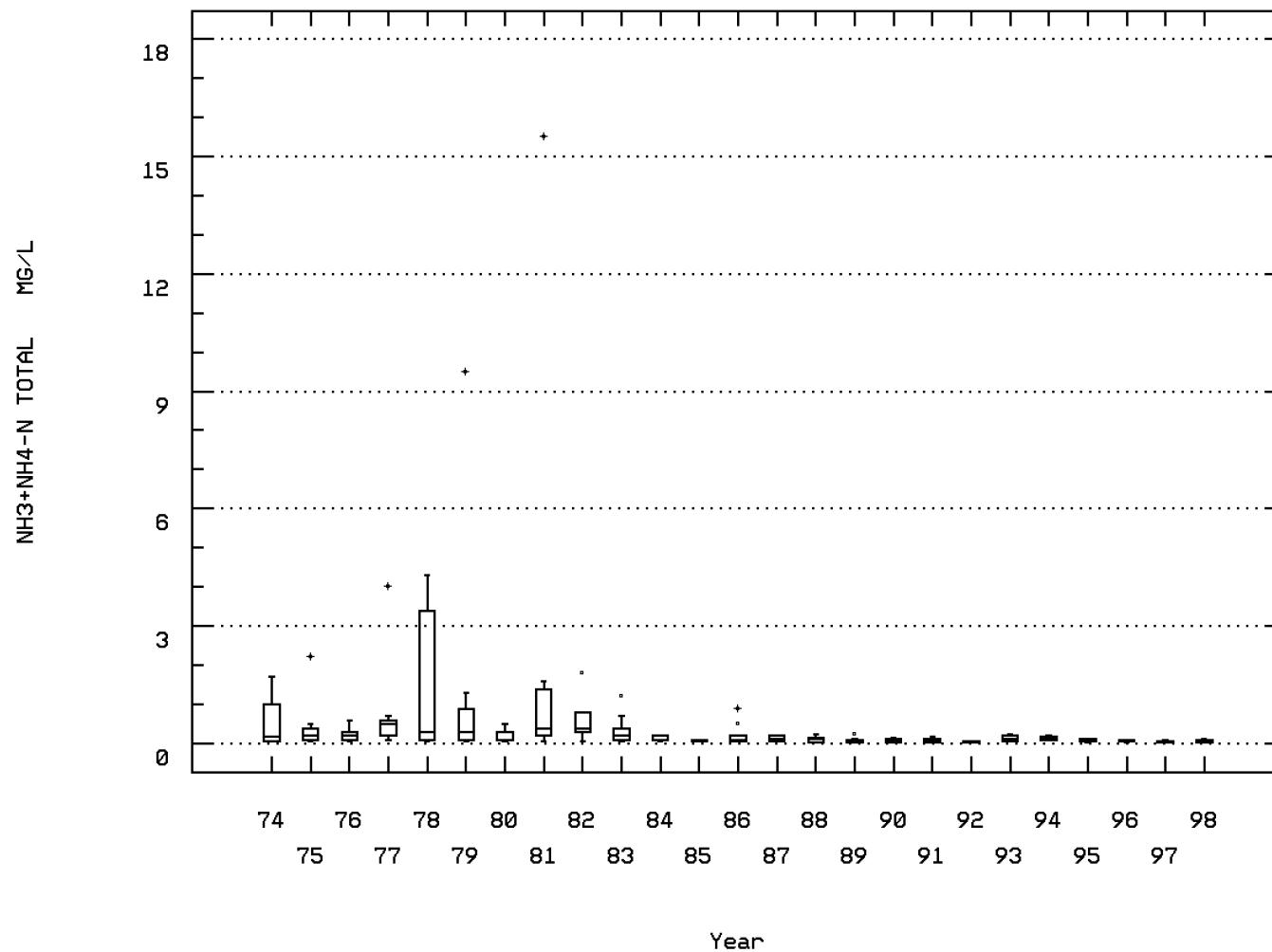
MICRO EQ/LITER OF H⁺ COMPUTED FROM PH



RT. 17/2 BRIDGE

Station: FRSP0027 Parameter Code: 00610

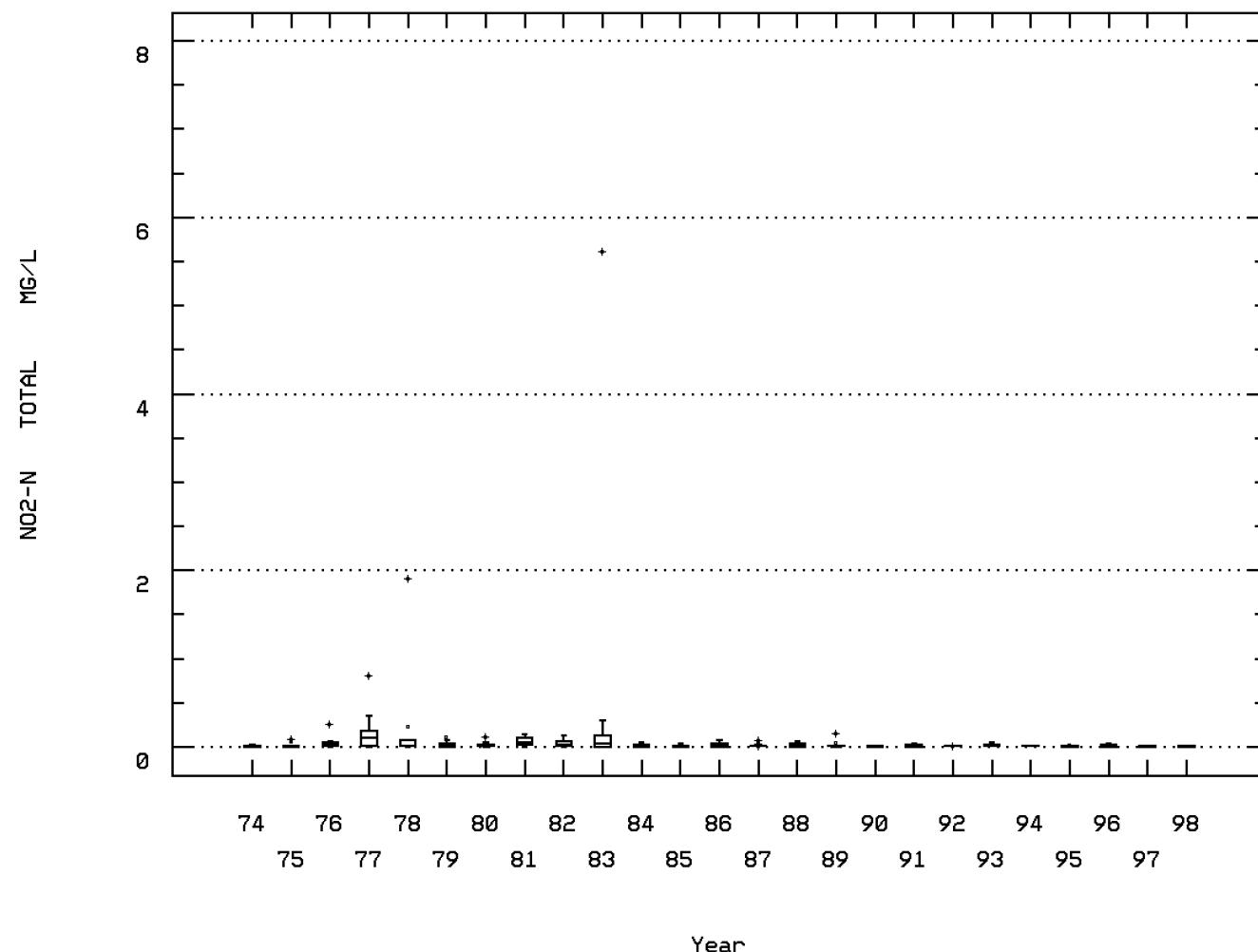
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 17/2 BRIDGE

Station: FRSP0027 Parameter Code: 00615

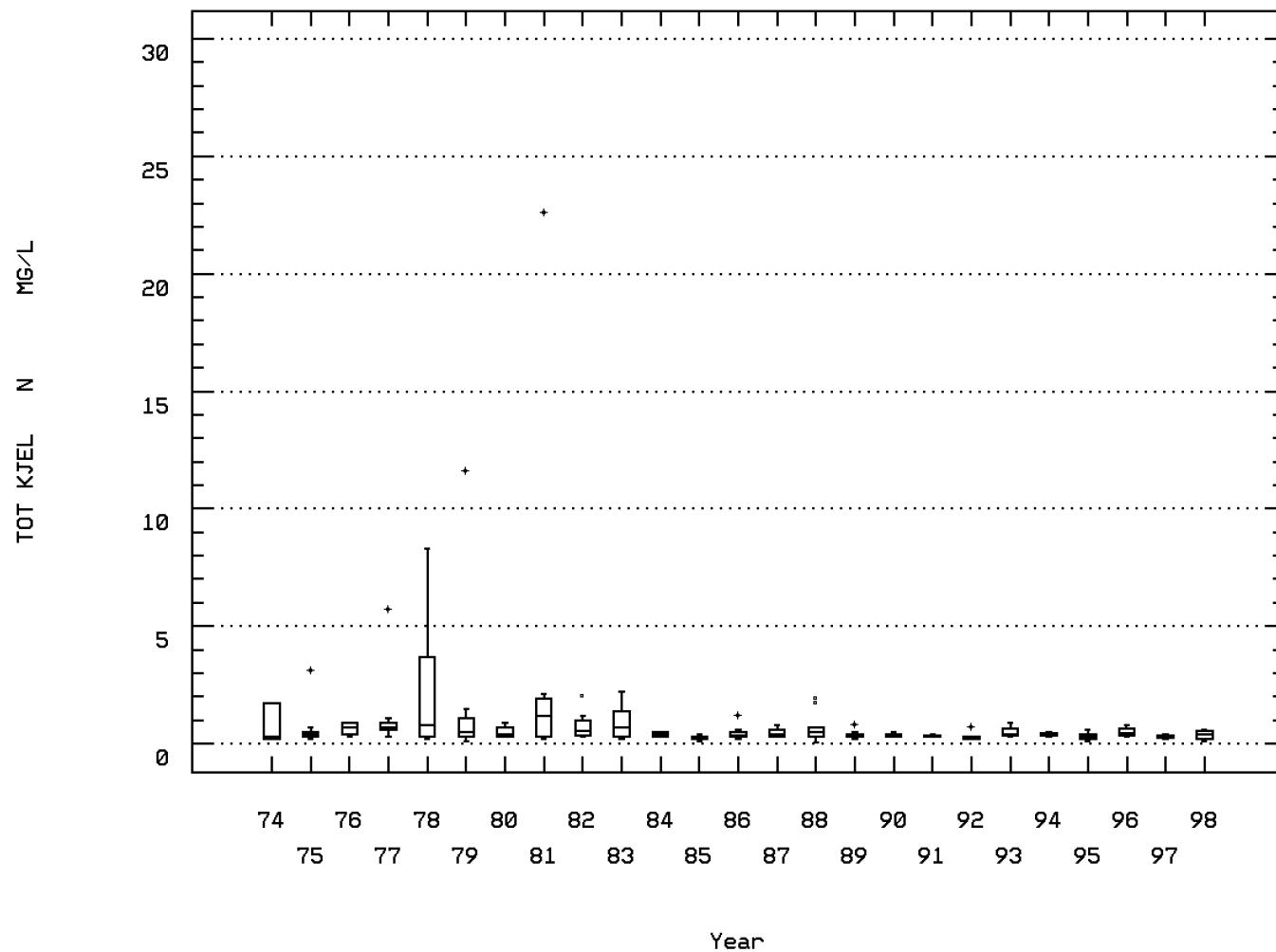
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 17/2 BRIDGE

Station: FRSP0027 Parameter Code: 00625

NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 17/2 BRIDGE

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	57	22.2	20.989	26.2	2.6	19.047	4.364	14.46	18.7	24.15	25.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	40	201.5	211.225	361.	83.	5740.025	75.763	124.2	156.75	260.	334.1
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/89-11/23/98	13	186.	173.538	217.	105.	1067.436	32.672	115.8	154.5	200.5	214.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/30/92-11/23/98	7	8.	7.943	9.2	6.9	0.836	0.914	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	49	7.8	7.863	11.3	5.	1.452	1.205	6.	7.35	8.6	9.2
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	45	1.	1.698	8.	0.5	1.563	1.25	0.8	1.	2.	3.
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	45	12.	12.	26.	0.02	37.035	6.086	5.6	8.	15.5	21.
00400	PH (STANDARD UNITS)	09/03/74-11/23/98	57	7.	7.037	9.7	6.1	0.291	0.539	6.4	6.8	7.3	7.6
00400	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	57	7.	6.805	9.7	6.1	0.346	0.588	6.4	6.8	7.3	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	57	0.1	0.157	0.794	0.	0.03	0.172	0.025	0.05	0.158	0.398
00403	PH, LAB, STANDARD UNITS SU	07/26/83-11/23/98	27	6.8	6.919	8.8	6.4	0.203	0.451	6.48	6.7	7.	7.32
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/83-11/23/98	27	6.8	6.796	8.8	6.4	0.219	0.468	6.48	6.7	7.	7.32
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/83-11/23/98	27	0.158	0.16	0.398	0.002	0.009	0.096	0.048	0.1	0.2	0.333
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/83-11/23/98	27	28.	27.481	42.	10.	67.182	8.196	15.	22.	35.	36.4
00500	RESIDUE, TOTAL (MG/L)	07/03/79-11/23/98	19	113.	118.421	154.	82.	398.146	19.954	84.	106.	135.	143.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/03/79-11/23/98	19	28.	38.632	200.	17.	1578.135	39.726	22.	25.	35.	49.
00510	RESIDUE, TOTAL FIXED (MG/L)	07/03/79-11/23/98	19	91.	120.895	700.	57.	19923.433	141.15	60.	82.	105.	108.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	46	5.5	14.413	229.	0.5	1296.114	36.002	1.35	2.5	9.25	28.1
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	46	2.5	3.717	23.	0.5	14.618	3.823	1.	1.875	4.	9.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	46	3.	11.543	206.	0.5	1054.265	32.469	0.5	2.5	6.	20.3
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	54	0.11	0.442	9.5	0.02	1.896	1.377	0.05	0.093	0.2	0.7
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	55	0.04	0.187	5.6	0.005	0.618	0.786	0.008	0.02	0.07	0.134
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	49	1.25	2.129	7.9	0.02	4.071	2.018	0.45	0.605	3.045	5.449
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	55	0.5	0.845	11.6	0.1	2.505	1.583	0.3	0.4	0.8	1.34
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	43	0.1	0.627	11.8	0.05	4.065	2.016	0.05	0.1	0.2	0.52
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	34	0.075	0.659	11.	0.01	4.335	2.082	0.015	0.03	0.135	0.25
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	42	4.55	5.224	14.3	1.	7.135	2.671	2.83	3.425	6.25	8.85
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/87-11/23/98	23	54.	56.217	80.	31.	241.632	15.545	38.	42.	76.	78.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/12/88-11/23/98	15	21.	22.333	52.	9.	94.381	9.715	11.4	17.	25.	38.2
00945	SULFATE, TOTAL (MG/L AS SO4)	11/14/88-11/23/98	14	14.	14.5	20.	11.	7.962	2.822	11.	11.75	17.	19.
01002	ARSENIC, TOTAL (UG/L AS AS)	10/21/75-09/15/94	10 ##	0.75	1.95	5.	0.5	4.469	2.114	0.5	0.5	5.	5.
01027	CADMIUM, TOTAL (UG/L AS CD)	05/06/75-09/15/94	10 ##	1.	5.15	30.	0.5	85.503	9.247	0.5	0.5	6.25	28.
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/75-09/15/94	10 ##	3.	6.85	25.	0.5	78.725	8.873	0.5	0.5	12.5	24.5
01042	COPPER, TOTAL (UG/L AS CU)	05/06/75-09/15/94	10 ##	7.5	15.	70.	5.	411.111	20.276	5.	5.	13.75	65.5
01051	LEAD, TOTAL (UG/L AS PB)	05/06/75-09/15/94	10 ##	2.	3.5	10.	1.	9.889	3.145	1.	1.	5.5	9.7
01067	NICKEL, TOTAL (UG/L AS NI)	10/09/79-09/15/94	10 ##	5.	15.5	50.	5.	285.833	16.907	5.	5.	28.75	49.
01092	ZINC, TOTAL (UG/L AS ZN)	05/06/75-09/15/94	10	22.5	37.1	110.	5.	1122.989	33.511	5.5	10.75	62.5	106.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	44	500.	1854.545	8000.	50.	7792071.882	2791.428	75.	200.	1925.	8000.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	44	2.699	2.775	3.903	1.699	0.465	0.682	1.849	2.301	3.283	3.903
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				595.705								
70507	PHOSPHORUS, IN TOTAL, ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	20	0.075	0.179	1.7	0.02	0.138	0.371	0.02	0.04	0.108	0.344
71900	MERCURY, TOTAL (UG/L AS HG)	05/06/75-09/15/94	10 ##	0.15	0.15	0.15	0.15	0.	0.	0.15	0.15	0.15	0.15

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	90	6.4	6.938	17.	0.5	17.188	4.146	1.71	3.4	10.	12.99
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	57	153.	349.421	8520.	76.	1259879.748	1122.444	108.8	114.5	198.5	299.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/89-11/23/98	21	146.	173.429	710.	76.	16076.857	126.795	107.	127.5	180.	188.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/30/92-11/23/98	15	11.5	11.593	13.5	8.4	2.238	1.496	9.	10.9	12.9	13.38
00300	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	75	11.5	11.399	14.6	6.9	2.513	1.585	9.26	10.2	12.7	13.34
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	62	2.	2.118	8.	0.5	2.991	1.729	1.	1.	2.	4.7
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	63	9.	11.762	60.	1.	84.442	9.189	4.4	7.	13.	23.8
00400	PH (STANDARD UNITS)	09/03/74-11/23/98	87	7.	7.016	10.39	5.6	0.463	0.681	6.39	6.7	7.3	7.722
00400	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	87	7.	6.65	10.39	5.6	0.599	0.774	6.39	6.7	7.3	7.722

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	87	0.1	0.224	2.512	0.	0.147	0.384	0.019	0.05	0.2	0.408
00403	PH, LAB, STANDARD UNITS SU	07/26/83-11/23/98	33	6.6	6.636	7.2	6.3	0.052	0.228	6.34	6.5	6.75	7.02
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/83-11/23/98	33	6.6	6.585	7.2	6.3	0.054	0.233	6.34	6.5	6.75	7.02
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/83-11/23/98	33	0.251	0.26	0.501	0.063	0.014	0.12	0.098	0.179	0.316	0.46
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/83-11/23/98	33	14.	17.152	36.	6.	52.008	7.212	9.4	12.	23.	28.4
00500	RESIDUE, TOTAL (MG/L)	07/03/79-11/23/98	27	109.	149.	731.	45.	18458.692	135.863	66.4	96.	144.	256.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/03/79-11/23/98	27	30.	35.222	93.	11.	361.179	19.005	17.2	26.	40.	66.8
00510	RESIDUE, TOTAL FIXED (MG/L)	07/03/79-11/23/98	27	77.	113.778	641.	27.	14797.179	121.644	39.6	64.	114.	210.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	63	4.	27.	660.	0.5	8105.177	90.029	1.7	2.5	8.	75.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	63 ##	2.5	5.23	55.	0.5	76.982	8.774	1.	1.5	4.	13.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	63	2.5	22.77	605.	0.	6669.644	81.668	1.	2.	5.	60.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	86	0.1	0.472	15.5	0.02	2.976	1.725	0.047	0.05	0.3	0.73
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	87	0.01	0.022	0.3	0.005	0.002	0.042	0.005	0.005	0.02	0.042
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	71	0.7	0.964	9.5	0.12	1.342	1.158	0.466	0.56	0.89	1.76
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	86	0.4	0.875	22.6	0.05	6.454	2.54	0.2	0.3	0.8	1.06
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	61	0.1	0.257	4.3	0.	0.355	0.596	0.05	0.05	0.2	0.64
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	48	0.05	0.223	2.4	0.005	0.199	0.446	0.01	0.02	0.15	0.665
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	54	4.	4.659	16.	1.	8.671	2.945	1.55	3.	5.125	8.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/22/87-11/23/98	31	36.	40.968	129.	16.	431.366	20.769	22.4	31.	46.	68.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/12/88-11/23/98	26	18.5	27.077	218.	6.	1620.394	40.254	8.4	12.75	24.25	44.8
00945	SULFATE, TOTAL (MG/L AS SO4)	11/14/88-11/23/98	26	14.	14.423	19.	10.	6.494	2.548	11.7	12.	16.	19.
01002	ARSENIC, TOTAL (UG/L AS AS)	10/21/75-09/15/94	6 ##	1.25	2.	5.	1.	2.5	1.581	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/06/75-09/15/94	6 ##	5.	4.667	5.	3.	0.667	0.816	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/75-09/15/94	6 ##	5.	8.333	25.	5.	66.667	8.165	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/06/75-09/15/94	6 ##	5.	12.667	31.	5.	144.667	12.028	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/06/75-09/15/94	6	5.5	7.667	13.	4.	17.467	4.179	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/09/79-09/15/94	2 ##	15.	15.	25.	5.	200.	14.142	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/06/75-09/15/94	6	33.	34.333	50.	20.	184.667	13.589	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	78 ##	50.	334.103	5000.	20.	686045.288	828.279	50.	50.	200.	710.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/03/74-11/23/98	78 ##	1.699	2.045	3.699	1.301	0.277	0.526	1.699	1.699	2.301	2.851
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	110.822								
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	38	0.03	0.111	1.599	0.01	0.071	0.267	0.01	0.02	0.083	0.256
71900	MERCURY, TOTAL (UG/L AS HG)	05/06/75-09/15/94	6 ##	0.2	0.2	0.25	0.15	0.003	0.055	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/03/74-11/23/98	45	16.7	16.693	25.4	7.8	18.592	4.312	10.8	13.3	19.7	22.46
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/03/79-11/23/98	33	127.	274.818	4840.	10.	673651.966	820.763	88.8	103.	172.	212.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/20/89-11/23/98	9	138.	136.667	194.	87.	961.5	31.008	87.	113.	152.	194.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/30/92-11/23/98	7	9.4	9.7	11.6	7.8	1.54	1.241	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/03/74-11/13/91	40	9.3	9.33	12.	5.3	2.098	1.448	7.23	8.625	10.375	11.45
00310	BOD, 5 DAY, 20 DEG C MG/L	08/13/79-11/23/98	35	1.	1.857	10.	0.5	2.994	1.73	1.	1.	2.	3.
00340	COD, .25N K2CR2O7 MG/L	07/03/79-11/23/98	34	9.5	10.956	39.	2.	62.824	7.926	3.5	6.75	12.5	21.5
00400	PH (STANDARD UNITS)	09/03/74-11/23/98	46	7.	6.909	7.5	5.3	0.251	0.501	6.14	6.775	7.3	7.4
00400	CONVERTED PH (STANDARD UNITS)	09/03/74-11/23/98	46	7.	6.471	7.5	5.3	0.446	0.668	6.14	6.775	7.3	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/74-11/23/98	46	0.1	0.338	5.012	0.032	0.691	0.831	0.04	0.05	0.169	0.742
00403	PH, LAB, STANDARD UNITS SU	07/26/83-11/23/98	19	6.7	6.726	7.4	6.4	0.052	0.228	6.4	6.6	6.8	7.
00403	CONVERTED PH, LAB, STANDARD UNITS	07/26/83-11/23/98	19	6.7	6.679	7.4	6.4	0.054	0.233	6.4	6.6	6.8	7.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/83-11/23/98	19	0.2	0.21	0.398	0.04	0.008	0.092	0.1	0.158	0.251	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/26/83-11/23/98	19	18.	19.737	45.	12.	63.538	7.971	13.	14.	23.	30.
00500	RESIDUE, TOTAL (MG/L)	07/03/79-11/23/98	12	108.	111.25	211.	80.	1288.75	35.899	80.6	85.25	116.75	188.5
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/03/79-11/23/98	12	27.	27.5	40.	18.	51.364	7.167	18.	20.25	32.75	38.8
00510	RESIDUE, TOTAL FIXED (MG/L)	07/03/79-11/23/98	12	77.	83.75	178.	55.	1041.114	32.266	56.5	64.5	90.5	153.4
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/03/79-11/23/98	35	6.	27.829	388.	1.5	7442.749	86.271	2.5	2.5	11.	24.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0027

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/03/79-11/23/98	35	2.5	5.557	54.	1.	113.305	10.645	1.	1.5	3.	11.2
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/03/79-11/23/98	35	3.	22.929	334.	0.	5749.796	75.827	1.5	2.5	7.	16.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/74-11/23/98	48	0.1	0.462	4.	0.02	0.681	0.825	0.04	0.05	0.475	1.33
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	48	0.01	0.05	0.8	0.005	0.014	0.119	0.005	0.005	0.048	0.13
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/74-11/23/98	40	0.665	0.896	2.51	0.02	0.423	0.65	0.381	0.45	1.1	2.082
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/74-11/23/98	46	0.5	0.926	5.699	0.1	1.377	1.174	0.2	0.3	1.099	2.13
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/03/79-11/23/98	33	0.1	0.15	0.8	0.05	0.032	0.178	0.05	0.05	0.155	0.46
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/03/79-03/17/92	28	0.05	0.132	0.8	0.02	0.036	0.19	0.02	0.033	0.108	0.429
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/03/79-07/01/96	33	4.7	5.555	16.7	0.5	13.737	3.706	1.4	3.4	6.5	10.68
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	07/22/87-11/23/98	13	36.	73.692	520.	26.	18073.064	134.436	26.4	28.	48.	334.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/12/88-11/23/98	11	15.	15.091	27.	7.	34.291	5.856	7.4	10.	19.	25.6
00945	SULFATE, TOTAL (MG/L AS SO ₄)	11/14/88-11/23/98	11	13.	12.727	16.	10.	4.218	2.054	10.	11.	14.	15.8
01002	ARSENIC, TOTAL (UG/L AS AS)	10/21/75-09/15/94	2 ##	0.75	0.75	1.	0.5	0.125	0.354	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/06/75-09/15/94	3 ##	5.	5.667	7.	5.	1.333	1.155	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/06/75-09/15/94	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/06/75-09/15/94	3 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/06/75-09/15/94	3 ##	1.5	3.	7.	0.5	12.25	3.5	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/06/75-09/15/94	3 ##	5.	10.	20.	5.	75.	8.66	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	43	100.	789.535	6000.	50.	1851614.064	1360.74	50.	100.	900.	2700.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/74-11/23/98	43	2.	2.407	3.778	1.699	0.412	0.642	1.699	2.	2.954	3.43
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	255.458								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/03/74-11/23/98	20	0.045	0.317	2.6	0.01	0.384	0.62	0.01	0.02	0.3	1.229
71900	MERCURY, TOTAL (UG/L AS HG)	05/06/75-09/15/94	3 ##	0.25	0.55	1.25	0.15	0.37	0.608	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0028

NPS Station ID: FRSP0028
 Location: RT. 1 BRIDGE
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VIRGINIA
 RIVER: CLAIBORN RUN SECTION: 04 TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

LAT/LON: 38.350003/ -77.458059

Agency: 21VASWCB
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): 3-CLB004.42 /VA3-04-X0003/VA3-3X0003
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0028

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	73	16.1	14.734	26.1	1.7	61.742	7.858	3.54	7.25	21.95	24.76
00300 OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	73	9.2	9.43	14.	3.3	4.094	2.023	7.24	8.	10.8	12.32
00310 BOD, 5 DAY, 20 DEG C MG/L	10/08/68-09/02/77	11	2.5	2.764	6.	1.1	1.879	1.371	1.12	2.3	2.9	5.66
00400 PH (STANDARD UNITS)	08/06/68-01/27/78	73	6.5	6.597	11.	4.7	0.525	0.725	6.	6.3	6.8	7.26
00400 CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	73	6.5	6.136	11.	4.7	0.741	0.861	6.	6.3	6.8	7.26
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	73	0.316	0.732	19.953	0.	5.554	2.357	0.055	0.158	0.501	1.
00403 PH, LAB, STANDARD UNITS SU	10/08/68-05/31/70	9	6.1	6.122	6.5	5.6	0.104	0.323	5.6	5.85	6.45	6.5
00403 CONVERTED PH, LAB, STANDARD UNITS	10/08/68-05/31/70	9	6.1	6.012	6.5	5.6	0.118	0.344	5.6	5.85	6.45	6.5
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/68-05/31/70	9	0.794	0.973	2.512	0.316	0.598	0.774	0.316	0.357	1.498	2.512
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	10/08/68-05/07/70	8	5.	5.5	10.	3.	5.143	2.268	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	10/08/68-11/25/70	9	114.	161.	327.	85.	9039.	95.074	85.	92.5	258.5	327.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/25/70	9	44.	54.667	88.	25.	631.5	25.13	25.	31.5	82.5	88.
00510 RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/25/70	9	62.	106.333	240.	54.	5510.75	74.234	54.	56.5	175.5	240.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-11/25/70	9	13.	27.444	147.	4.	2038.778	45.153	4.	7.5	18.5	147.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/25/70	9	5.	7.778	18.	1.	39.944	6.32	1.	2.5	14.5	18.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-11/25/70	9	8.	32.444	132.	1.	2566.278	50.658	1.	4.5	62.5	132.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	67	0.07	0.156	4.5	0.005	0.295	0.543	0.03	0.05	0.1	0.2
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	68	0.01	0.011	0.07	0.005	0.	0.012	0.005	0.005	0.01	0.02
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	61	0.35	0.404	1.289	0.005	0.071	0.266	0.112	0.185	0.59	0.722
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	68	0.5	0.627	5.5	0.05	0.561	0.749	0.2	0.4	0.7	0.9
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/17/76-01/27/78	7	0.3	0.496	1.5	0.01	0.361	0.601	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	11/09/77-11/09/77	1	15.	15.	15.	0.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	05/31/70-01/27/78	53	7.	7.642	16.	1.	11.581	3.403	2.4	6.	9.5	12.
01002 ARSENIC, TOTAL (UG/L AS AS)	04/25/71-03/17/77	5 ##	2.5	2.2	2.5	1.	0.45	0.671	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	11/25/70-03/17/77	9 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034 CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-03/17/77	16 ##	5.	7.813	20.	5.	36.563	6.047	5.	5.	5.	20.
01042 COPPER, TOTAL (UG/L AS CU)	03/18/70-03/17/77	16 ##	5.	8.125	30.	5.	49.583	7.042	5.	5.	8.75	23.
01045 IRON, TOTAL (UG/L AS FE)	11/25/70-12/14/71	3	1099.	1199.333	1899.	600.	429400.333	655.286	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/25/70-03/17/77	13 ##	5.	6.346	11.	1.5	8.308	2.882	2.9	5.	10.	10.6
01055 MANGANESE, TOTAL (UG/L AS MN)	03/18/70-04/25/71	3	129.9	136.567	159.9	119.9	433.333	20.817	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-03/17/77	4 ##	50.	38.75	50.	5.	506.25	22.5	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	03/18/70-03/17/77	16	10.	15.938	40.	5.	167.396	12.938	5.	5.	27.5	40.
31505 COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)	08/06/68-10/06/70	14	2350.	6715.714	43000.	230.	141919703.297	11913.006	330.	805.	4600.	33000.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	08/06/68-10/06/70	14	3.371	3.383	4.633	2.362	0.403	0.635	2.498	2.885	3.663	4.498
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506				2417.704								
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	55 ##	50.	463.818	8000.	10.	1667742.559	1291.411	50.	50.	300.	1080.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	55 ##	1.699	2.055	3.903	1.	0.356	0.597	1.699	1.699	2.477	3.012
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				113.385								
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/08/72-07/21/76	2	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	68 ##	0.05	0.094	2.	0.025	0.056	0.237	0.05	0.05	0.088	0.1
70507	PHOSPHORUS, IN TOTAL, ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	68	0.04	0.073	1.899	0.005	0.053	0.23	0.01	0.02	0.05	0.1
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-03/17/77	14 ##	0.25	0.514	2.7	0.25	0.507	0.712	0.25	0.25	0.25	0.21

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0028

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	73	1	0.01	28	1	0.04	27	0	0.00	18	0	0	0.00		
00400	PH	Fresh Chronic	9.	73	1	0.01	28	0	0.00	27	1	0.04	18	0	0	0.00		
00403	PH, LAB	Other-Lo Lim.	6.5	73	39	0.53	28	13	0.46	27	15	0.56	18	11	0.61			
00615	NITRITE NITROGEN, TOTAL AS N	Fresh Chronic	9.	9	0	0.00	2	0	0.00	3	0	0.00	4	0	0	0.00		
00620	NITRATE NITROGEN, TOTAL AS N	Other-Lo Lim.	6.5	9	9	1.00	2	2	1.00	3	3	1.00	4	4	1.00			
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	1.	68	0	0.00	24	0	0.00	27	0	0.00	17	0	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	10.	61	0	0.00	22	0	0.00	23	0	0.00	16	0	0	0.00		
01002	ARSENIC, TOTAL	Drinking Water	250.	53	0	0.00	23	0	0.00	4	0	0.00	1	0	0	0.00		
01027	CADMIUM, TOTAL	Fresh Acute	360.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0	0.00		
		Drinking Water	50.	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0	0.00		
		Fresh Acute	3.9	0 &	0	0.00												
		Drinking Water	5.	0 &	0	0.00												
01034	CHROMIUM, TOTAL	Drinking Water	100.	16	0	0.00	3	0	0.00	7	0	0.00	6	0	0	0.00		
01042	COPPER, TOTAL	Fresh Acute	18.	16	2	0.13	3	0	0.00	7	1	0.14	6	1	0.17			
01051	LEAD, TOTAL	Drinking Water	1300.	16	0	0.00	3	0	0.00	7	0	0.00	6	0	0	0.00		
01065	NICKEL, DISSOLVED	Fresh Acute	82.	13	0	0.00	3	0	0.00	6	0	0.00	4	0	0	0.00		
01092	ZINC, TOTAL	Drinking Water	15.	13	0	0.00	3	0	0.00	6	0	0.00	4	0	0	0.00		
		Fresh Acute	1400.	4	0	0.00				3	0	0.00	1	0	0	0.00		
		Drinking Water	100.	4	0	0.00				3	0	0.00	1	0	0	0.00		
		Fresh Acute	120.	16	0	0.00	3	0	0.00	7	0	0.00	6	0	0	0.00		
		Drinking Water	5000.	16	0	0.00	3	0	0.00	7	0	0.00	6	0	0	0.00		
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	14	10	0.71	8	6	0.75	2	1	0.50	4	3	0.75			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	55	15	0.27	18	6	0.33	24	4	0.17	13	5	0.38			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	2	0	0.00	1	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	14	1	0.07	4	0	0.00	6	1	0.17	4	0	0.00			
		Drinking Water	2.	14	1	0.07	4	0	0.00	6	1	0.17	4	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1968 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	3	20.6	20.2	25.6	14.4	31.48	5.611	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	3	7.5	7.833	9.	7.	1.083	1.041	**	**	**	**
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	3	6.4	6.133	6.5	5.5	0.303	0.551	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	3	6.4	5.889	6.5	5.5	0.393	0.627	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	3	0.398	1.292	3.162	0.316	2.625	1.62	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	3	17.8	13.9	21.7	2.2	106.47	10.318	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	3	8.	9.1	12.	7.3	6.43	2.536	**	**	**	**
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	3	6.2	6.167	6.5	5.8	0.123	0.351	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	3	6.2	6.074	6.5	5.8	0.136	0.369	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	3	0.631	0.844	1.585	0.316	0.436	0.661	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	11	12.2	13.364	26.1	3.3	80.577	8.976	3.52	4.4	21.1	25.76
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	11	9.8	9.809	13.8	5.8	4.501	2.122	6.2	8.4	11.	13.4
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	11	6.3	6.191	6.7	5.5	0.147	0.383	5.54	6.	6.5	6.68
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	11	6.3	6.031	6.7	5.5	0.175	0.418	5.54	6.	6.5	6.68
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	11	0.501	0.931	3.162	0.2	0.825	0.908	0.21	0.316	1.	2.929
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	11	0.1	0.138	0.41	0.06	0.011	0.105	0.06	0.06	0.17	0.372
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	11	0.01	0.012	0.03	0.005	0.	0.007	0.005	0.01	0.01	0.028
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	11	0.3	0.365	0.78	0.02	0.048	0.22	0.048	0.27	0.5	0.762
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	11	0.6	0.632	1.299	0.3	0.089	0.298	0.3	0.4	0.8	1.229
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	2	200.	200.	300.	100.	20000.	141.421	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	2	2.239	2.239	2.477	2.	0.114	0.337	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		173.205									
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	11 ##	0.05	0.052	0.1	0.025	0.001	0.026	0.025	0.025	0.05	0.1
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	11	0.03	0.064	0.4	0.01	0.013	0.113	0.012	0.02	0.05	0.332

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	10	16.15	15.13	25.6	3.9	46.591	6.826	4.4	8.9	21.	25.26
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	10	9.8	10.07	13.	8.	2.493	1.579	8.04	8.85	11.575	12.88
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	10	6.8	6.84	7.5	6.3	0.125	0.353	6.32	6.65	7.075	7.48
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	10	6.8	6.727	7.5	6.3	0.139	0.373	6.32	6.65	7.075	7.48
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	10	0.158	0.187	0.501	0.032	0.019	0.137	0.033	0.088	0.229	0.483
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	11	0.05	0.064	0.12	0.01	0.001	0.036	0.014	0.03	0.1	0.116
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	11	0.01	0.015	0.03	0.01	0.	0.007	0.01	0.01	0.02	0.028
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	11	0.19	0.418	1.189	0.07	0.137	0.37	0.078	0.14	0.63	1.129
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	11	0.4	0.409	0.7	0.2	0.029	0.17	0.2	0.3	0.5	0.7
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	11 ##	50.	877.273	8000.	50.	5616181.818	2369.848	50.	50.	400.	6520.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	11 ##	1.699	2.15	3.903	1.699	0.52	0.721	1.699	1.699	2.602	3.678

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			141.349								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	11 ##	0.05	0.055	0.1	0.05	0.	0.015	0.05	0.05	0.05	0.09
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	11	0.04	0.046	0.11	0.01	0.001	0.034	0.012	0.02	0.05	0.11

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	12	13.35	13.892	25.6	3.3	50.617	7.115	3.81	8.725	19.175	25.24
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	12	9.7	9.667	12.4	6.	3.937	1.984	6.48	8.15	11.65	12.34
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	12	6.6	6.667	7.5	6.	0.277	0.526	6.	6.125	7.15	7.47
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	12	6.589	6.418	7.5	6.	0.344	0.587	6.	6.125	7.15	7.47
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	12	0.258	0.382	1.	0.032	0.15	0.387	0.034	0.072	0.829	1.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	12	0.09	0.083	0.21	0.005	0.004	0.067	0.005	0.015	0.1	0.204
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	12	0.01	0.01	0.02	0.005	0.	0.003	0.007	0.01	0.01	0.017
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	12	0.345	0.384	0.89	0.06	0.057	0.239	0.072	0.195	0.565	0.8
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	12	0.45	0.396	0.6	0.05	0.025	0.157	0.095	0.3	0.5	0.57
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-01/27/78	11 ##	50.	386.364	2500.	50.	530545.455	728.386	50.	50.	400.	2120.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-01/27/78	11 ##	1.699	2.116	3.398	1.699	0.377	0.614	1.699	1.699	2.602	3.274
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			130.535								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	12 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	12	0.025	0.03	0.07	0.01	0.	0.018	0.012	0.02	0.038	0.067

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Annual Analysis for 1973 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	10	13.85	14.16	25.6	4.4	57.778	7.601	4.46	5.825	21.65	25.37
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	10	8.9	9.55	13.	7.5	3.527	1.878	7.53	7.95	11.	12.86
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	10	6.75	7.09	11.	6.	1.99	1.411	6.04	6.475	7.	10.6
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	10	6.747	6.57	11.	6.	2.29	1.513	6.04	6.475	7.	10.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	10	0.179	0.269	1.	0.	0.081	0.285	0.01	0.1	0.337	0.94
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	10	0.085	0.536	4.5	0.05	1.943	1.394	0.05	0.05	0.193	4.07
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	10 ##	0.005	0.013	0.07	0.005	0.	0.02	0.005	0.005	0.01	0.064
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	10	0.435	0.421	0.73	0.005	0.046	0.215	0.028	0.275	0.575	0.722
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	10	0.65	1.09	5.5	0.2	2.47	1.572	0.22	0.4	0.925	5.05
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-01/27/78	10 ##	50.	251.	2000.	10.	378343.333	615.096	14.	50.	100.	1810.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-01/27/78	10 ##	1.699	1.849	3.301	1.	0.334	0.578	1.07	1.699	2.	3.171
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			70.711								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	10 ##	0.05	0.27	2.	0.05	0.372	0.61	0.05	0.05	0.125	1.82
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	10 ##	0.05	0.235	1.899	0.02	0.342	0.585	0.021	0.045	0.063	1.719

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Annual Analysis for 1974 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	10	20.	16.56	25.	2.2	67.563	8.22	2.76	8.625	23.45	24.89
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	10	8.2	9.02	12.4	7.1	2.806	1.675	7.16	7.925	10.4	12.26
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	10	6.45	6.24	6.6	4.7	0.325	0.57	4.83	6.225	6.525	6.6
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	10	6.447	5.623	6.6	4.7	0.747	0.865	4.83	6.225	6.525	6.6

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Annual Analysis for 1974 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	10	0.357	2.38	19.953	0.251	38.17	6.178	0.251	0.3	0.626	18.057
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	10##	0.05	0.06	0.1	0.05	0.	0.021	0.05	0.05	0.063	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	10##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	10	0.42	0.404	0.68	0.12	0.04	0.201	0.121	0.205	0.6	0.672
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	10	0.6	0.57	0.8	0.3	0.027	0.164	0.31	0.4	0.7	0.79
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	9##	50.	144.444	800.	50.	60902.778	246.785	50.	50.	100.	800.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	9##	1.699	1.9	2.903	1.699	0.159	0.398	1.699	1.699	2.	2.903
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	79.37							
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	10##	0.05	0.07	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	10##	0.05	0.055	0.1	0.05	0.	0.016	0.05	0.05	0.05	0.095

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Annual Analysis for 1975 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	3	16.7	14.833	22.2	5.6	71.503	8.456	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	3	9.2	9.133	10.4	7.8	1.693	1.301	**	**	**	**
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	3	6.5	6.7	7.3	6.3	0.28	0.529	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	3	6.5	6.539	7.3	6.3	0.319	0.565	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	3	0.316	0.289	0.501	0.05	0.051	0.227	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	3	0.1	0.117	0.2	0.05	0.006	0.076	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	3##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	3	0.28	0.24	0.28	0.16	0.005	0.069	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	3	0.6	0.633	0.9	0.4	0.063	0.252	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	2##	175.	175.	300.	50.	31250.	176.777	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	2##	2.088	2.088	2.477	1.699	0.303	0.55	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	122.474							
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	3	0.1	0.117	0.2	0.05	0.006	0.076	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	3##	0.05	0.04	0.05	0.02	0.	0.017	**	**	**	**

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Annual Analysis for 1976 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	5	17.2	13.98	24.4	2.2	97.262	9.862	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	5	9.4	9.9	14.	7.2	8.29	2.879	**	**	**	**
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	5	7.	6.86	7.7	5.9	0.423	0.65	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	5	7.	6.474	7.7	5.9	0.609	0.78	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	5	0.1	0.336	1.259	0.02	0.27	0.52	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	5##	0.05	0.09	0.2	0.05	0.004	0.065	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	5##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	4	0.49	0.612	1.289	0.18	0.232	0.481	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	5	0.5	0.48	0.7	0.2	0.037	0.192	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	4##	75.	75.	100.	50.	833.333	28.868	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	4##	1.849	1.849	2.	1.699	0.03	0.174	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	70.711							
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	5##	0.05	0.09	0.2	0.05	0.004	0.065	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	5	0.05	0.054	0.1	0.02	0.001	0.03	**	**	**	**

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Annual Analysis for 1977 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	5	21.	16.94	25.	1.7	94.768	9.735	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	5	8.6	7.5	10.	3.3	6.82	2.612	**	**	**	**
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	5	6.8	6.84	7.	6.7	0.023	0.152	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	5	6.8	6.82	7.	6.7	0.024	0.153	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	08/06/68-01/27/78	5	0.158	0.152	0.2	0.1	0.002	0.05	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	4	0.1	0.113	0.2	0.05	0.004	0.063	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	5 ##	0.005	0.018	0.07	0.005	0.001	0.029	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	5	0.4	1.1	3.699	0.4	2.119	1.456	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	5	300.	1340.	4800.	50.	4101750.	2025.278	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	5	2.477	2.546	3.681	1.699	0.781	0.884	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	351.948								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	5 ##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	5	0.01	0.016	0.03	0.005	0.	0.013	**	**	**	**

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Annual Analysis for 1978 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	1	12.9	12.9	12.9	12.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	1	6.3	6.3	6.3	6.3	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	08/06/68-01/27/78	1	0.501	0.501	0.501	0.501	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-01/27/78	1 ##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	50.								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	1 ##	0.05	0.05	0.05	0.05	0.05	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	28	22.2	22.011	26.1	14.4	10.32	3.212	16.64	20.725	24.4	25.6
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	28	8.	8.182	13.8	3.3	2.873	1.695	6.98	7.425	8.75	10.06
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	28	6.6	6.579	7.5	5.5	0.234	0.483	5.89	6.325	6.95	7.31
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	28	6.6	6.312	7.5	5.5	0.307	0.554	5.89	6.325	6.95	7.31
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	28	0.251	0.487	3.162	0.032	0.435	0.66	0.049	0.115	0.475	1.292
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	23	0.1	0.279	4.5	0.005	0.85	0.922	0.01	0.05	0.13	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	24	0.01	0.015	0.07	0.005	0.	0.018	0.005	0.005	0.01	0.05
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	22	0.305	0.376	1.289	0.06	0.077	0.277	0.082	0.183	0.505	0.7
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	24	0.5	0.877	5.5	0.05	1.435	1.198	0.25	0.4	0.775	2.35
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-01/27/78	23	7.	7.391	14.	1.	10.885	3.299	2.	6.	10.	12.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-01/27/78	18 ##	75.	930.556	8000.	50.	4402687.908	2098.258	50.	50.	650.	5120.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-01/27/78	18 ##	1.849	2.234	3.903	1.699	0.548	0.74	1.699	1.699	2.809	3.703
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	171.341								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	24 ##	0.05	0.149	2.	0.025	0.157	0.396	0.05	0.05	0.1	0.15
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	24	0.04	0.116	1.899	0.005	0.145	0.38	0.018	0.02	0.05	0.08

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	27	5.	6.374	14.4	1.7	13.33	3.651	2.16	3.3	8.9	13.06
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	27	11.5	10.948	14.	5.8	3.328	1.824	8.38	10.	12.2	13.
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	27	6.5	6.696	11.	5.5	0.977	0.989	5.94	6.3	6.8	7.54
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	27	6.5	6.289	11.	5.5	1.15	1.072	5.94	6.3	6.8	7.54
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	27	0.316	0.514	3.162	0.	0.473	0.688	0.029	0.158	0.501	1.199
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	27	0.07	0.094	0.41	0.03	0.006	0.078	0.046	0.05	0.1	0.192
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	27	0.01	0.009	0.03	0.005	0.	0.005	0.005	0.005	0.01	0.012
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	23	0.5	0.492	1.189	0.005	0.08	0.282	0.128	0.29	0.68	0.89
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	27	0.4	0.444	0.95	0.05	0.042	0.205	0.2	0.3	0.6	0.8
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-01/27/78	18	7.5	7.611	15.	1.	9.193	3.032	2.8	6.	9.	11.4
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-01/27/78	24 ##	50.	112.917	600.	10.	22569.384	150.231	50.	50.	50.	400.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-01/27/78	24 ##	1.699	1.835	2.778	1.	0.154	0.392	1.699	1.699	1.699	2.602
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	68.397								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	27 ##	0.05	0.07	0.2	0.05	0.002	0.042	0.05	0.05	0.1	0.12
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	27	0.03	0.047	0.4	0.005	0.005	0.074	0.009	0.02	0.05	0.068

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/06/68-01/27/78	18	16.7	15.956	25.	4.4	24.927	4.993	10.43	11.7	18.725	23.47
00300	OXYGEN, DISSOLVED MG/L	08/06/68-01/27/78	18	9.25	9.094	10.8	6.	1.344	1.159	7.8	8.2	9.85	10.62
00400	PH (STANDARD UNITS)	08/06/68-01/27/78	18	6.45	6.478	7.3	4.7	0.327	0.571	5.87	6.3	6.85	7.21
00400	CONVERTED PH (STANDARD UNITS)	08/06/68-01/27/78	18	6.447	5.842	7.3	4.7	0.754	0.868	5.87	6.3	6.85	7.21
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/06/68-01/27/78	18	0.357	1.438	19.953	0.05	21.407	4.627	0.062	0.144	0.501	2.895
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-01/27/78	17	0.06	0.09	0.22	0.005	0.004	0.06	0.041	0.05	0.11	0.212
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-01/27/78	17 ##	0.005	0.009	0.02	0.005	0.	0.006	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-09/01/76	16	0.295	0.316	0.65	0.02	0.037	0.193	0.076	0.18	0.445	0.636
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-01/27/78	17	0.5	0.565	1.299	0.2	0.062	0.25	0.28	0.4	0.7	0.9
00945	SULFATE, TOTAL (MG/L AS SO4)	05/31/70-01/27/78	12	8.	8.167	16	2.	18.333	4.282	2.3	5.	10.	15.7
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-01/27/78	13	100.	465.385	2500.	50.	651410.256	807.1	50.	50.	350.	2300.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-01/27/78	13	2.	2.212	3.398	1.699	0.361	0.601	1.699	1.699	2.54	3.359
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	162.76								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0028

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-01/27/78	17 ##	0.05	0.053	0.1	0.025	0.	0.02	0.025	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-01/27/78	17	0.05	0.052	0.11	0.01	0.001	0.03	0.018	0.025	0.06	0.11

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0029

NPS Station ID: FRSP0029
 Location: RAPPAHANNOCK RIVER TIDAL FLAT
 Station Type: /TYP/A MBNT/STREAM

RMI-Indexes:
 RMI-Miles:

HUC: 02080104 Depth of Water: 0
 Major Basin: NORTH ATLANTIC Elevation: 0
 Minor Basin: RAPPAHANNOCK AND YORK RIVERS-VA COAST
 RF1 Index: 02080104 RF1 Mile Point: 0.000
 RF3 Index: RF3 Mile Point: 0.000

Description:
 THE STATION IS LOCATED ON THE FREDERICKSBURG; VIRGINIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 08 IS AT THE RAPPAHANNOCK RIVER AT A TIDAL FLAT BELOW CHATHAM HEIGHTS AT THE FREDERICKSBURG BATTLEFIELD INSIDE OF THE FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STUDY WAS CONDUCTED BY THE NATIONAL PARK SERVICE; BEGINNING IN 1993; TO MONITOR WATER QUALITY AT SIX PERENNIAL STREAMS IN THE AREA OF THE PARK. THESE STREAMS WERE CHOSEN TO BE THE MOST LIKELY TO BE IMPACTED BY URBAN AND AGRICULTURAL POLLUTION. IN 1995 FOUR ADDITIONAL WATER QUALITY MONITORING STATIONS; SEVEN THROUGH TEN; WERE ADDED TO THE PROGRAM. DATA ARE FROM THE DBASE FILE WATERAQU.DBF CREATED BY FRSP. FOR MORE INFORMATION CONTACT FRSP'S CHIEF OF RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-371-0802). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 8052 (TEL. 970-225-3556).

LAT/LON: 38.308337/ -77.458338

Agency: 11NPSWRD
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): FRSP_NPS_08
 Within Park Boundary: Yes

Date Created: 10/10/98

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0029

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/25/95-12/01/95	2	13.4	13.4	16.4	10.4	18.	4.243	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/25/95-12/01/95	2	1.2	1.2	2.	0.4	1.28	1.131	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/25/95-12/01/95	2	80.5	80.5	81.	80.	0.5	0.707	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/25/95-12/01/95	2	11.4	11.4	12.8	10.	3.92	1.98	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/25/95-12/01/95	2	6.285	6.285	6.4	6.17	0.026	0.163	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/25/95-12/01/95	2	6.27	6.27	6.4	6.17	0.027	0.164	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/25/95-12/01/95	2	0.537	0.537	0.676	0.398	0.039	0.197	**	**	**	**
61272	INVALID PARAMETER	09/25/95-12/01/95	2	0.35	0.35	0.5	0.2	0.045	0.212	**	**	**	**
61277	INVALID PARAMETER	09/25/95-12/01/95	2	0.175	0.175	0.2	0.15	0.001	0.035	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/25/95-12/01/95	2	40.	40.	40.	40.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0029

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0030

NPS Station ID: FRSP0030	LAT/LON: 38.291115/ -77.470559	Agency: 21VASWCB	Date Created: 05/18/98
Location: LAFAYETTE BLVD.		FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY	
Station Type: /TYP/A/MBNT/STREAM		STORET Station ID(s): 3-HAL001.44	
RMI-Indexes:		Within Park Boundary: Yes	
RMI-Miles:			
HUC: 02080104	Depth of Water: 0	Aquifer:	
Major Basin: 02-NORTH ATLANTIC	Elevation: 0	Water Body Id:	
Minor Basin: 3-RAPPAHANOCK	RF1 Mile Point: 0.000	ECO Region:	
RF1 Index: 02080104	RF3 Mile Point: 0.00	Distance from RF1: 0.00	On/Off RF1:
RF3 Index:		Distance from RF3: 0.00	On/Off RF3:
Description:			
VIRGINIA STATE WATER CONTROL BOARD	AMBIENT MONITORING	BASIN: 3- RAPPAHANOCK	REGION: 3 NORTHERN
RIVER: HAZEL RUN	SECTION: 04	TOPO MAP #: 182C	TOPO MAP NAME: FREDERICKSBURG, VA

Parameter Inventory for Station: FRSP0030

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0031

NPS Station ID: FRSP0031
 Location: UNNAMED TRIBUTARY TO HAZEL RUN
 Station Type: /TYP/A/MBNT/STREAM

RMI-Indexes:
 RMI-Miles:

HUC: 02080104

Major Basin: NORTH ATLANTIC

Minor Basin: RAPPAHANNOCK AND YORK RIVERS-VA COAST

RF1 Index: 02080104

RF3 Index: RF1 Mile Point: 0.000
 RF3 Mile Point: 0.000

Description:

THE STATION IS LOCATED ON THE FREDERICKSBURG, VIRGINIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 07 IS AT AN UNNAMED TRIBUTARY TO HAZEL RUN AT MARY'S HEIGHTS NATIONAL CEMETERY AT THE FREDERICKSBURG BATTLEFIELD INSIDE OF THE FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STUDY WAS CONDUCTED BY THE NATIONAL PARK SERVICE; BEGINNING IN 1993; TO MONITOR WATER QUALITY AT SIX PERENNIAL STREAMS IN THE AREA OF THE PARK. THESE STREAMS WERE CHOSEN TO BE THE MOST LIKELY TO BE IMPACTED BY URBAN AND AGRICULTURAL POLLUTION. IN 1995 FOUR ADDITIONAL WATER QUALITY MONITORING STATIONS; SEVEN THROUGH TEN; WERE ADDED TO THE PROGRAM. DATA ARE FROM THE DBASE FILE WATERAQU.DBF CREATED BY FRSP. FOR MORE INFORMATION CONTACT FRSP'S CHIEF OF RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-371-0802). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3556).

LAT/LON: 38.291670/ -77.470838

Agency: 11NPSWRD
 FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY)
 STORET Station ID(s): FRSP_NPS_07
 Within Park Boundary: Yes

Date Created: 10/10/98

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0031

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/22/95-12/01/95	2	14.4	14.4	20.	8.8	62.72	7.92	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	09/22/95-02/01/96	2	6.65	6.65	16.7	-3.4	202.005	14.213	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/01/95-02/15/96	3	3.	2.333	3.	1.	1.333	1.155	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/22/95-12/01/95	2	77.	77.	83.	71.	72.	8.485	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/22/95-02/15/96	4	6.	6.6	12.	2.4	21.84	4.673	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/22/95-02/15/96	4	5.77	5.663	6.43	4.68	0.53	0.728	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/22/95-02/15/96	4	5.763	5.209	6.43	4.68	0.804	0.897	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/22/95-02/15/96	4	1.727	6.18	20.893	0.372	96.688	9.833	**	**	**	**
61272	INVALID PARAMETER	09/22/95-02/15/96	4	0.9	0.775	1.	0.3	0.109	0.33	**	**	**	**
61277	INVALID PARAMETER	09/22/95-02/15/96	4	0.235	0.23	0.25	0.2	0.001	0.024	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/22/95-12/01/95	2	39.	39.	42.	36.	18.	4.243	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0031

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	4	2	0.50	1	0	0.00	3	2	0.67			
00406	PH, FIELD	Fresh Chronic	9.	4	0	0.00	1	0	0.00	3	0	0.00			
		Other-Lo Lim.	6.5	4	4	1.00	1	1	1.00	3	3	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0032

NPS Station ID: FRSP0032

Location: RAPPAHANNOCK RIVER AT FREDERICKSBURG, VA

Station Type: /TYP/A MBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02080104

LAT/LON: 38.319726/ -77.471392

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

Agency: 112WRD

FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA

STORET Station ID(s): 01668030

Within Park Boundary: No

Date Created: / /

RF1 Index: 02080104

RF3 Index:

Description:

FIELD ANALYSIS BY USGS. SAMPLED BY USGS. STATION LOCATION: HWY U S 1 BRIDGE AT FREDERICKSBURG, SPOTSYLVANIA CO. NEAREST GAGING STATION: ON RIGHT BANK 1.6 MI UPSTREAM FROM DAM OF VEPCO AND 2.2 MI DOWNSTREAM FROM MOTTS RUN, 3.8 MI UPSTREAM FROM FREDERICKSBURG, SPOTSYLVANIA CO. DRAINAGE AREA: ABOVE GAGING STATION 1,599 SQ MI. SAMPLING INTAKE APPROX.

1,600 SQ MI. AVERAGE DAILY FLOW: AT GAGING STATION, 60 YRS, 1,611 CFS,

AT SAMPLING LOCATION, SAME PERIOD OF RECORD: SEPT 1907 TO PRESENT.

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: FRSP0032

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	02/12/70-06/25/70	5	18.	16.3	29.	5.	93.7	9.68	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)	07/30/70-07/30/70	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	07/30/70-07/30/70	1	15.	15.	15.	15.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/30/70-07/30/70	1	67.	67.	67.	67.	0.	0.	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	02/12/70-06/25/70	5	9.2	10.06	12.8	8.	5.028	2.242	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	05/14/70-05/14/70	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00400 PH (STANDARD UNITS)	02/12/70-05/29/70	4	7.5	7.325	7.6	6.7	0.182	0.427	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	02/12/70-05/29/70	4	7.489	7.14	7.6	6.7	0.228	0.477	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/12/70-05/29/70	4	0.032	0.072	0.2	0.025	0.007	0.085	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	07/30/70-07/30/70	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	07/30/70-07/30/70	1	62.	62.	62.	62.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/30/70-07/30/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/30/70-07/30/70	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/12/70-06/25/70	5	0.05	0.08	0.18	0.	0.005	0.073	**	**	**	**
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	02/12/70-06/25/70	5	0.01	0.044	0.18	0.	0.006	0.077	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	07/30/70-07/30/70	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	07/30/70-07/30/70	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	07/30/70-07/30/70	1	2.1	2.1	2.1	2.1	0.	0.	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	07/30/70-07/30/70	1	3.	3.	3.	3.	0.	0.	**	**	**	**
00931 SODIUM ADSORPTION RATIO	07/30/70-07/30/70	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932 SODIUM, PERCENT	07/30/70-07/30/70	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	07/30/70-07/30/70	1	1.8	1.8	1.8	1.8	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	02/12/70-07/30/70	6	6.	6.	8.	4.	3.6	1.897	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	02/12/70-07/30/70	6	7.5	9.	16.	5.	15.6	3.95	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	07/30/70-07/30/70	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01000 ARSENIC, DISSOLVED (UG/L AS AS)	07/30/70-07/30/70	1	32.	32.	32.	32.	0.	0.	**	**	**	**
01020 BORON, DISSOLVED (UG/L AS B)	07/30/70-07/30/70	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS CD)	07/30/70-07/30/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	07/30/70-07/30/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0032

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01040 COPPER, DISSOLVED (UG/L AS CU)	07/30/70-07/30/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	07/30/70-07/30/70	1	80.	80.	80.	0.	0.	0.	**	**	**	**
01049 LEAD, DISSOLVED (UG/L AS PB)	07/30/70-07/30/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	07/30/70-07/30/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)	07/30/70-07/30/70	1	0.	0.	0.	0.	0.	0.	**	**	**	**
01105 ALUMINUM, TOTAL (UG/L AS AL)	07/30/70-07/30/70	1	100.	100.	100.	100.	0.	0.	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	02/12/70-06/25/70	5	460.	392.6	710.	33.	73178.8	270.516	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	02/12/70-06/25/70	5	2.663	2.419	2.851	1.519	0.292	0.541	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			262.435								
70507 PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/12/70-06/25/70	5	0.	0.014	0.06	0.	0.001	0.026	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0032

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard		Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	5	0	0.00				2	0	0.00	3	0	0.00			
00400 PH	Fresh Chronic	9.	4	0	0.00				2	0	0.00	2	0	0.00			
00618 NITRATE NITROGEN, DISSOLVED AS N	Other-Lo Lim.	6.5	4	0	0.00				2	0	0.00	2	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Drinking Water	10.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	250.	6	0	0.00	1	0	0.00	2	0	0.00	3	0	0.00			
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00	1	0	0.00									
01034 CHROMIUM, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
01040 COPPER, DISSOLVED	Drinking Water	100.	1	0	0.00	1	0	0.00									
01049 LEAD, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00									
01090 ZINC, DISSOLVED	Drinking Water	1300.	1	0	0.00	1	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Fresh Acute	82.	1	0	0.00	1	0	0.00									
	Drinking Water	15.	1	0	0.00	1	0	0.00									
	Fresh Acute	120.	1	0	0.00	1	0	0.00									
	Drinking Water	5000.	1	0	0.00	1	0	0.00									
	Other-Hi Lim.	200.	5	4	0.80				2	2	1.00	3	2	0.67			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0033

NPS Station ID: FRSP0033
 Location: ROUTE 1, FREDERICKBURG
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH-ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104042
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD INTENSIVE SURVEY NO. 845101 BASIN: 3 RAPPAHANOCK
 RIVER: RAPPAHANOCK RI. SECTION: 04B TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

LAT/LON: 38.320003/ -77.471671

Agency: 21VASWCB
 FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY)
 STORET Station ID(s): 3-RPP110.57
 Within Park Boundary: No

Date Created: 12/13/86

Depth of Water: 0

Elevation: 0

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1: ON

On/Off RF3:

RF1 Mile Point: 7.170

RF3 Mile Point: 0.00

Parameter Inventory for Station: FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	453	14.	14.272	31.3	0.	64.986	8.061	3.94	7.	21.	25.5
00061 FLOW, STREAM, INSTANTANEOUS CFS	01/21/96-09/24/96	37	4260.	7899.351	56200.	710.	139284604.456	11801.89	1436.	1990.	7425.	18460.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	03/23/90-08/03/93	5	7.9	10.5	27.	1.8	94.26	9.709	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	140	7.8	45.304	957.	0.4	11261.191	106.119	1.91	3.6	43.75	135.3
00078 TRANSPARENCY, SECCHI DISC (METERS)	08/09/94-08/09/94	1	0.5	0.5	0.5	0.	0.	0.	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	409	78.	77.697	159.	8.	234.614	15.317	61.	70.	84.	92.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	207	76.	76.589	135.	40.	173.709	13.18	62.8	70.	83.	92.2
00096 SALINITY AT 25 DEGREES C (MG/M/L)	07/21/86-11/15/94	241	0.	0.059	8.	0.	0.413	0.643	0.	0.	0.	0.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	399	9.9	10.208	15.1	6.	4.701	2.168	7.6	8.5	11.9	13.4
00300 OXYGEN, DISSOLVED MG/L	07/21/86-12/23/96	52	10.	10.14	14.5	6.1	4.731	2.175	7.46	8.25	11.975	13.14
00310 BOD, 5 DAY, 20 DEG C MG/L	01/10/88-03/15/94	105	2.	2.367	11.	0.5	3.415	1.848	0.5	1.	3.	5.
00335 COD, .025N K2CR207 MG/L	01/10/88-01/03/90	69	14.3	14.754	31.	2.5	55.688	7.462	5.5	9.5	21.	25.
00340 COD, .25N K2CR207 MG/L	01/16/90-12/20/90	35	9.	12.857	79.	3.	181.714	13.48	4.6	6.	15.	25.
00400 PH (STANDARD UNITS)	07/21/86-12/10/98	441	7.2	7.237	9.6	2.4	0.387	0.622	6.6	6.885	7.505	7.95
00400 CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	441	7.2	5.039	9.6	2.4	5.232	2.287	6.6	6.885	7.505	7.95
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	441	0.063	9.145	3981.072	0.	35936.557	189.569	0.011	0.031	0.13	0.251
00403 PH, LAB, STANDARD UNITS SU	02/21/89-03/15/94	80	7.	6.97	7.7	6.2	0.084	0.29	6.6	6.8	7.1	7.39
00403 CONVERTED PH, LAB, STANDARD UNITS	02/21/89-03/15/94	80	7.	6.874	7.7	6.2	0.093	0.306	6.6	6.8	7.1	7.39
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	02/21/89-03/15/94	80	0.1	0.134	0.631	0.02	0.01	0.1	0.041	0.079	0.158	0.251
00410 ALKALINITY, TOTAL (MG/L AS CaCO3)	02/21/89-03/15/94	82	18.	20.634	228.	6.	565.321	23.776	12.3	14.75	21.	23.7
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	10/26/98-10/26/98	1	56.	56.	56.	56.	0.	0.	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	423	13.	74.072	972.	0.5	17883.463	133.729	1.5	3.	88.	237.2
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	423	3.	9.918	108.	0.	245.271	15.661	1.	1.5	12.	30.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	423	10.	64.433	864.	0.5	14058.936	118.57	1.5	1.5	76.	207.2
00601 NITROGEN TOTAL NON-FILTERABLE (MG/L AS N)	02/20/96-06/21/96	21	0.27	0.321	1.5	0.03	0.131	0.362	0.03	0.05	0.455	0.81
00602 NITROGEN, DISSOLVED (MG/L AS N)	02/20/96-06/21/96	22	0.88	0.951	2.9	0.05	0.334	0.578	0.419	0.615	1.1	1.72
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	455	0.02	0.04	0.27	0.002	0.001	0.036	0.012	0.02	0.05	0.086
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/08/94-08/08/94	4	0.035	0.052	0.13	0.008	0.003	0.055	**	**	**	**
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	455##	0.005	0.018	1.	0.001	0.011	0.105	0.002	0.005	0.005	0.01
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	09/25/92-07/08/94	2##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	457	0.53	0.489	1.2	0.002	0.064	0.254	0.025	0.345	0.67	0.8
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	07/08/94-07/08/94	1	0.372	0.372	0.372	0.	0.	0.	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	357	0.4	0.569	2.9	0.05	0.222	0.472	0.2	0.3	0.7	1.22

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0033

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	01/21/96-12/23/96	47	0.5	0.534	0.9	0.2	0.027	0.163	0.3	0.4	0.6	0.8
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	359	0.05	0.133	1.5	0.005	0.033	0.182	0.02	0.03	0.17	0.36
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	393	0.02	0.025	0.13	0.	0.	0.017	0.01	0.01	0.03	0.05
00667 PHOSPHORUS, SUSPENDED (MG/L AS P)	02/20/96-06/21/96	22	0.047	0.13	1.16	0.009	0.059	0.243	0.012	0.013	0.151	0.255
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	458	0.01	0.016	0.09	0.002	0.	0.012	0.005	0.009	0.02	0.03
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	313	3.9	5.116	106.	1.1	54.8	7.403	2.1	2.7	5.9	8.1
00694 CARBON, SUSPENDED TOTAL (MG/L AS C)	02/20/96-06/21/96	21	2.4	2.643	13.	0.1	9.288	3.048	0.22	0.4	4.	5.82
00900 HARDNESS, TOTAL (MG/L AS CACO ₃)	12/30/92-03/15/94	2	26.5	26.5	28.	25.	4.5	2.121	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/26/98-10/26/98	1	6.9	6.9	6.9	0.	0.	0.	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/26/98-10/26/98	1	2.6	2.6	2.6	0.	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO ₄)	04/27/92-04/27/92	1	7.	7.	7.	0.	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SiO ₂)	01/10/88-12/10/98	387	9.9	9.93	53.	0.1	14.285	3.78	6.7	8.4	11.1	12.4
01000 ARSENIC, DISSOLVED (UG/L AS AS)	10/26/98-10/26/98	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS CD)	10/26/98-10/26/98	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01029 CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	08/16/88-08/16/88	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	10/26/98-10/26/98	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01040 COPPER, DISSOLVED (UG/L AS CU)	10/26/98-10/26/98	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	10/26/98-10/26/98	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01049 LEAD, DISSOLVED (UG/L AS PB)	10/26/98-10/26/98	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	10/26/98-10/26/98	1	7.	7.	7.	0.	0.	0.	**	**	**	**
01057 THALLIUM, DISSOLVED (UG/L AS TL)	10/26/98-10/26/98	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	10/26/98-10/26/98	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01075 SILVER, DISSOLVED (UG/L AS AG)	10/26/98-10/26/98	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)	10/26/98-10/26/98	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01095 ANTIMONY, DISSOLVED (UG/L AS SB)	10/26/98-10/26/98	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	10/26/98-10/26/98	1	7.	7.	7.	0.	0.	0.	**	**	**	**
01140 SILICON, DISSOLVED (UG/L AS SI)	07/21/86-04/20/89	70	8450.	8365.714	14000.	4200.	3910111.801	1977.4	5910.	6900.	9700.	10500.
01145 SELENIUM, DISSOLVED (UG/L AS SE)	10/26/98-10/26/98	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
31615 FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	06/08/95-06/08/95	1##	9.	9.	9.	9.	0.	0.	**	**	**	**
31615 LOG FECAL, COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	06/08/95-06/08/95	1##	0.954	0.954	0.954	0.954	0.	0.	**	**	**	**
31615 GM FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	GEOMETRIC MEAN =		9.									
32210 CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	10/07/98-10/07/98	2	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
32211 CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/07/98-10/07/98	2	0.28	0.28	0.28	0.28	0.	0.	**	**	**	**
32212 CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	10/07/98-10/07/98	2##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32214 CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	10/07/98-10/07/98	2##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
32218 PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	10/07/98-10/07/98	2	0.64	0.64	0.64	0.64	0.	0.	**	**	**	**
32219 PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	10/07/98-10/07/98	2	1.22	1.22	1.22	1.22	0.	0.	**	**	**	**
49567 PHOSPHOROUS PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	59	0.017	0.09	0.115	0.001	0.036	0.19	0.004	0.008	0.059	0.26
49569 CARBON PARICULATE, FIELD FILTERED, SUSP., WTR MG/L	03/14/95-12/10/98	59	0.521	1.864	24.	0.	13.64	3.693	0.2	0.293	2.095	5.4
49570 NITROGEN PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	57	0.054	0.295	3.6	0.	0.443	0.666	0.023	0.032	0.19	0.832
49571 NITROGEN TOTAL, FIELD FILTERED, DISSOLVED, WTR MG/L	03/14/95-12/10/98	59	0.73	0.687	1.025	0.2	0.052	0.228	0.284	0.53	0.88	0.936
49572 PHOSPHOROUS TOTAL, FIELD FILTRED, DISSLVD,WTR MG/L	03/14/95-12/10/98	59	0.024	0.029	0.073	0.003	0.	0.018	0.011	0.015	0.041	0.061
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/08/94-07/08/94	1	0.003	0.003	0.003	0.003	0.	0.	**	**	**	**
71890 MERCURY, DISSOLVED (UG/L AS HG)	10/26/98-10/26/98	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71994 VOLUME OF WATER FILTERED LITERS	10/07/98-10/07/98	2	0.95	0.95	1.	0.9	0.005	0.071	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0033

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	5	0	0.00	1	0	0.00	4	0	0.00						
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	140	33	0.24	41	10	0.24	59	18	0.31	40	5	0.13			
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	399	0	0.00	104	0	0.00	186	0	0.00	109	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	52	0	0.00	17	0	0.00	22	0	0.00	13	0	0.00			
00400 PH	Fresh Chronic	9.	441	7	0.02	115	1	0.01	199	6	0.03	127	0	0.00			
	Other-Lo Lim.	6.5	441	36	0.08	115	9	0.08	199	18	0.09	127	9	0.07			
00403 PH, LAB	Fresh Chronic	9.	80	0	0.00	20	0	0.00	24	0	0.00	36	0	0.00			
	Other-Lo Lim.	6.5	80	7	0.09	20	0	0.00	24	6	0.25	36	1	0.03			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0033

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
00613	NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	450 &	0	0.00	114	0	0.00	207	0	0.00	129	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	2	0	0.00									
00618	NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	457	0	0.00	116	0	0.00	212	0	0.00	129	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00631	NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	47	0	0.00	13	0	0.00	21	0	0.00	13	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00							1	0	0.00			
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00				1	0	0.00						
01025	CADMIUM, DISSOLVED	Drinking Water	50.	1	0	0.00				1	0	0.00						
01030	CHROMIUM, DISSOLVED	Fresh Acute	3.9	1	0	0.00				1	0	0.00						
01040	COPPER, DISSOLVED	Drinking Water	5.	1	0	0.00				1	0	0.00						
01049	LEAD, DISSOLVED	Drinking Water	100.	1	0	0.00				1	0	0.00						
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
01065	NICKEL, DISSOLVED	Drinking Water	2.	1	0	0.00				1	0	0.00						
01075	SILVER, DISSOLVED	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
01090	ZINC, DISSOLVED	Drinking Water	100.	1	0	0.00				1	0	0.00						
01095	ANTIMONY, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
01145	SELENIUM, DISSOLVED	Drinking Water	5000.	1	0	0.00				1	0	0.00						
31615	FECAL COLIFORM, MPN	Fresh Acute	88.	1	0	0.00				1	0	0.00						
71890	MERCURY, DISSOLVED	Drinking Water	6.	1	0	0.00				1	0	0.00						
		Other-Hi Lim.	20.	1	0	0.00				1	0	0.00						
		Fresh Acute	50.	1	0	0.00				1	0	0.00						
		Drinking Water	200.	1	0	0.00							1	0	0.00			
			2.4	1	0	0.00							1	0	0.00			
			2.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1986 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	11	23.	18.218	29.8	5.	97.338	9.866	5.	5.	25.5	29.8
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	11	75.	77.273	95.	60.	126.818	11.261	62.	70.	85.	95.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	11	0.	0.018	0.1	0.	0.002	0.04	0.	0.	0.	0.1
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	11	9.1	9.582	13.2	7.3	4.838	2.199	7.3	8.	12.	13.2
00400p	PH (STANDARD UNITS)	07/21/86-12/10/98	11	8.74	8.166	9.29	6.57	1.266	1.125	6.596	6.7	9.21	9.29
00400p	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	11	8.74	7.187	9.29	6.57	2.321	1.524	6.596	6.7	9.21	9.29
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	11	0.002	0.065	0.269	0.001	0.011	0.103	0.001	0.001	0.2	0.255
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	11 ##	0.025	0.034	0.05	0.025	0.	0.013	0.025	0.025	0.05	0.05
00613p	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	11 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	11 ##	0.025	0.181	1.	0.025	0.088	0.296	0.025	0.025	0.33	0.866
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	11	0.7	0.673	1.1	0.4	0.07	0.265	0.4	0.4	0.8	1.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	11	0.04	0.04	0.06	0.02	0.	0.013	0.02	0.03	0.05	0.058
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	11	0.02	0.023	0.03	0.01	0.	0.008	0.01	0.02	0.03	0.03
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	11	0.01	0.012	0.03	0.005	0.	0.008	0.005	0.005	0.02	0.028
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	11	5.	5.182	6.	4.	0.564	0.751	4.	5.	6.	6.
01140	SILICON, DISSOLVED (UG/L AS SI)	07/21/86-04/20/89	11	6900.	7690.909	14000.	4200.	7628909.091	2762.048	4200.	6700.	9800.	13160.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	12	14.4	15.583	30.	3.5	102.756	10.137	3.65	4.425	27.	29.67
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	11	60.	64.091	97.	45.	347.891	18.652	45.6	50.	85.	95.6
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	10	0.	0.6	6.	0.	3.6	1.897	0.	0.	0.	5.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	12	10.8	10.3	13.	6.9	5.709	2.389	6.93	7.675	12.725	12.97
00400p	PH (STANDARD UNITS)	07/21/86-12/10/98	11	8.13	7.933	9.01	6.74	0.626	0.791	6.748	7.17	8.56	8.944
00400p	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	11	8.13	7.35	9.01	6.74	0.999	1.	6.748	7.17	8.56	8.944
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	11	0.007	0.045	0.182	0.001	0.005	0.068	0.001	0.003	0.068	0.179
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	12	0.05	0.053	0.1	0.025	0.001	0.029	0.025	0.025	0.078	0.1
00613p	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	12 ##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.009	0.017
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	12	0.425	0.485	1.2	0.25	0.142	0.377	0.033	0.105	0.775	1.11
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	12	0.4	0.413	0.9	0.5	0.048	0.22	0.095	0.3	0.575	0.81
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	12	0.04	0.049	0.15	0.01	0.001	0.036	0.013	0.03	0.058	0.126
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	12	0.025	0.027	0.04	0.01	0.	0.012	0.01	0.02	0.04	0.04
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	12	0.01	0.013	0.05	0.005	0.	0.013	0.005	0.005	0.01	0.041
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	9	5.	4.889	7.	3.	1.611	1.269	3.	4.	6.	7.
01140	SILICON, DISSOLVED (UG/L AS SI)	07/21/86-04/20/89	12	9400.	9000.	13000.	6100.	4367272.727	2089.802	6220.	6700.	10500.	12250.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	26	9.65	11.285	31.3	0.6	84.985	9.219	1.26	3.8	15.95	30.15
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	4	2.9	8.725	27.	2.1	148.576	12.189	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	26	90.	90.769	135.	52.	450.905	21.235	60.	82.5	95.	134.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	14	93.	99.857	135.	85.	300.286	17.329	85.	89.	109.25	132.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	25	11.1	11.276	14.8	6.7	5.388	2.321	8.04	9.35	13.65	14.02
00400p	PH (STANDARD UNITS)	07/21/86-12/10/98	25	7.4	7.522	8.94	6.33	0.433	0.658	6.62	7.145	7.79	8.686
00400p	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	25	7.4	7.134	8.94	6.33	0.59	0.768	6.62	7.145	7.79	8.686
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	25	0.04	0.073	0.468	0.001	0.012	0.108	0.002	0.017	0.072	0.246
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	23	2.	6.348	50.	0.5	161.01	12.689	0.5	2.	4.	28.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	23	2.	2.065	10.	0.5	4.893	2.212	0.5	0.5	2.	5.4

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Annual Analysis for 1988 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	23 ##	1.	4.696	40.	0.5	109.994	10.488	0.5	0.5	3.	23.4
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	26 ##	0.02	0.054	0.26	0.02	0.004	0.063	0.02	0.02	0.063	0.175
00613p	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	26 ##	0.005	0.008	0.03	0.005	0.	0.006	0.005	0.005	0.01	0.013
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	26	0.08	0.269	0.93	0.02	0.09	0.3	0.02	0.02	0.485	0.711
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	26	0.3	0.461	1.4	0.1	0.123	0.351	0.156	0.2	0.525	1.16
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	27	0.03	0.059	0.3	0.01	0.004	0.062	0.02	0.02	0.07	0.12
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	11	0.03	0.036	0.1	0.005	0.001	0.029	0.008	0.02	0.04	0.096
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	26	0.01	0.014	0.08	0.005	0.	0.016	0.005	0.005	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	19	3.1	3.342	7.7	2.	1.701	1.304	2.	2.5	3.9	4.7
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	2	7.4	7.4	7.4	7.4	0.	0.	**	**	**	**
01140	SILICON, DISSOLVED (UG/L AS SI)	07/21/86-04/20/89	24	7700.	7858.333	12500.	4300.	4001666.667	2000.417	5150.	6825.	8500.	11000.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	75	15.	14.195	27.5	0.	60.593	7.784	3.18	6.4	21.5	24.38
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	23	49.	76.574	360.	0.8	10128.506	100.64	2.46	4.	100.	276.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	76	77.	76.724	138.	46.	178.656	13.366	60.	68.	83.	92.3
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	74	76.	76.108	100.	40.	162.18	12.735	62.5	66.	83.25	95.5
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	75	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	71	9.5	10.18	14.9	6.9	4.91	2.216	7.7	8.2	11.9	13.68
00400p	PH (STANDARD UNITS)	07/21/86-12/10/98	71	7.35	7.36	9.35	6.4	0.187	0.433	6.816	7.1	7.6	7.8
00400p	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	71	7.35	7.189	9.35	6.4	0.217	0.466	6.816	7.1	7.6	7.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	71	0.045	0.065	0.398	0.	0.004	0.063	0.016	0.025	0.079	0.153
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	78	42.	106.442	660.	0.5	20813.753	144.27	2.	6.75	125.	305.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	79	7.	14.658	75.	0.5	305.119	17.468	1.	2.	20.	39.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	78	35.	92.596	592.	0.5	16593.215	128.815	1.	4.75	115.	270.
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	77	0.05	0.061	0.22	0.02	0.002	0.045	0.02	0.02	0.09	0.12
00613p	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	77 ##	0.005	0.008	0.03	0.005	0.	0.005	0.005	0.005	0.01	0.01
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	77	0.57	0.546	0.92	0.06	0.034	0.183	0.27	0.455	0.66	0.772
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	77	0.5	0.734	2.6	0.2	0.286	0.534	0.2	0.3	1.	1.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	78	0.095	0.171	0.8	0.01	0.033	0.182	0.02	0.04	0.24	0.491
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	57	0.02	0.024	0.06	0.005	0.	0.014	0.01	0.01	0.03	0.042
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	78	0.01	0.018	0.09	0.005	0.	0.014	0.005	0.01	0.02	0.04
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	76	4.2	4.908	10.1	1.4	5.573	2.361	2.3	2.925	6.875	8.25
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	55	10.	9.64	13.	1.8	6.017	2.453	6.66	7.7	11.5	12.5
01140	SILICON, DISSOLVED (UG/L AS SI)	07/21/86-04/20/89	23	9300.	8886.957	11000.	6000.	1416640.316	1190.227	6880.	8400.	9700.	9960.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	55	16	16.062	27.8	0.9	47.365	6.882	5.68	11.6	21	25
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	2	128.5	128.5	186.	71.	6612.5	81.317	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	55	76.	72.2	103.	24.	214.793	14.656	52.4	65.	83.	86.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	53	75.	73.943	96.	44.	112.362	10.6	58.8	70.5	80.	85.6
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	40	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	54	9.9	9.756	14.5	6.	4.095	2.024	6.8	8.5	11.1	12.55
00400p	PH (STANDARD UNITS)	07/21/86-12/10/98	53	7.2	7.281	9.6	5.8	0.437	0.661	6.64	6.915	7.6	8.06
00400p	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	53	7.2	6.846	9.6	5.8	0.629	0.793	6.64	6.915	7.6	8.06
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	53	0.063	0.142	1.585	0.	0.093	0.305	0.009	0.025	0.122	0.231
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	10.	82.345	844.	1.	26119.378	161.615	2.6	5.	94.	273.6

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Annual Analysis for 1990 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	4.	11.445	100.	0.5	357.441	18.906	1.	2.	13.	33.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	9.	71.045	744.	0.5	20425.475	142.918	0.5	2.	84.	234.8
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	55	0.04	0.045	0.27	0.02	0.002	0.045	0.02	0.02	0.05	0.07
00613p	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	55 ##	0.005	0.012	0.3	0.005	0.002	0.04	0.005	0.005	0.005	0.014
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	55	0.59	0.518	1.02	0.02	0.076	0.276	0.032	0.32	0.69	0.852
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	55	0.4	0.576	2.9	0.1	0.241	0.491	0.2	0.3	0.7	1.2
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	55	0.05	0.136	1.1	0.005	0.034	0.184	0.02	0.03	0.2	0.37
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	55	0.02	0.018	0.06	0.005	0.005	0.011	0.005	0.01	0.03	0.03
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	55	0.01	0.015	0.05	0.005	0.	0.01	0.005	0.01	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	54	3.3	3.889	9.	1.1	4.007	2.002	1.85	2.4	5.2	7.15
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	55	9.6	9.389	13.	3.9	4.436	2.106	6.5	7.9	11.	12.2

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Annual Analysis for 1991 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	53	10.3	13.44	28.3	1.	74.747	8.646	3.4	6.65	23.25	27.
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	53	77.	79.849	120.	8.	331.438	18.205	63.4	71.	88.	109.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	19	73.	74.211	100.	65.	61.064	7.814	67.	69.	76.	82.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	53	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	53	10.8	10.321	14.	6.4	5.38	2.319	7.08	8.05	12.25	13.48
00400p	PH (STANDARD UNITS)	07/21/86-12/10/98	51	7.1	7.146	8.1	6.2	0.152	0.39	6.72	6.9	7.37	7.626
00400p	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	51	7.1	6.976	8.1	6.2	0.182	0.427	6.72	6.9	7.37	7.626
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	51	0.079	0.106	0.631	0.008	0.013	0.113	0.024	0.043	0.126	0.191
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	52	11.5	49.038	310.	1.5	5639.94	75.1	1.5	2.25	68.5	144.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	52	2.	6.962	39.	1.	88.646	9.415	1.	1.5	9.	18.7
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	52	9.5	41.269	271.	1.	4287.475	65.479	1.5	1.625	57.25	126.1
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	52 ##	0.02	0.038	0.1	0.02	0.001	0.025	0.02	0.02	0.048	0.08
00613p	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	52 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	52	0.615	0.539	0.95	0.02	0.081	0.285	0.02	0.4	0.76	0.827
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	52	0.4	0.482	1.6	0.05	0.116	0.34	0.2	0.3	0.6	1.
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	52	0.05	0.116	0.5	0.01	0.016	0.128	0.02	0.03	0.168	0.313
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	52	0.02	0.025	0.08	0.005	0.	0.016	0.007	0.01	0.03	0.05
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	52	0.015	0.018	0.06	0.005	0.	0.012	0.005	0.01	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	52	3.25	3.713	8.8	1.2	2.915	1.707	1.86	2.625	4.375	6.5
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	52	9.9	9.462	13.	4.2	4.148	2.037	6.49	8.375	11.	11.85

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Annual Analysis for 1992 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	55	11.5	12.455	27.8	2.	41.156	6.415	4.8	6.5	17.	20.9
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	1	8.2	8.2	8.2	0.	0.	0.	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	56	76	75.321	95.	57.	76.949	8.772	62.	70.	82.	87.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	56	10.	10.336	14.4	7.4	2.73	1.652	8.37	9.1	11.675	12.46
00400p	PH (STANDARD UNITS)	07/21/86-12/10/98	53	7.13	7.164	8.6	6.1	0.277	0.526	6.5	6.8	7.45	8.
00400p	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	53	7.13	6.915	8.6	6.1	0.341	0.584	6.5	6.8	7.45	8.
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	53	0.074	0.122	0.794	0.003	0.019	0.137	0.01	0.036	0.158	0.316
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	25.	84.745	705.	1.	18030.323	134.277	1.8	4.	122.	233.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	54	4.	11.194	90.	0.	280.438	16.746	1.	1.	15.	30.5
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	22.	73.873	615.	1.	13831.65	117.608	1.5	3.	107.	203.4
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	57 ##	0.02	0.036	0.14	0.02	0.001	0.028	0.02	0.02	0.048	0.08

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Annual Analysis for 1992 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00613p	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	56##	0.005	0.006	0.04	0.005	0.	0.005	0.005	0.005	0.005	0.01
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	58	0.635	0.577	0.88	0.02	0.046	0.214	0.236	0.42	0.712	0.84
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	58	0.4	0.574	2.6	0.05	0.289	0.538	0.19	0.2	0.7	1.22
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	58	0.08	0.165	0.85	0.01	0.038	0.194	0.02	0.03	0.24	0.473
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	58	0.02	0.023	0.09	0.005	0.	0.016	0.01	0.01	0.03	0.041
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	58	0.01	0.013	0.06	0.005	0.	0.01	0.005	0.005	0.02	0.02
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	53	4.8	9.111	106.	1.2	286.721	16.933	1.7	2.55	9.9	14.08
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	58	10.	9.614	12.4	0.1	5.061	2.25	7.17	8.575	11.	12.

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Annual Analysis for 1993 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	28	15.75	14.386	28.5	2.	86.337	9.292	2.63	5.	22.45	27.02
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	21	14.6	48.376	180.	0.4	3653.631	60.445	0.94	2.4	93.	164.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	28	73.	72.929	88.	61.	67.55	8.219	62.	65.5	80.	85.2
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	27	9.8	10.159	15.	6.1	6.268	2.504	6.78	8.5	12.2	13.96
00400p	PH (STANDARD UNITS)	07/21/86-12/10/98	28	7.	7.13	8.	6.5	0.163	0.404	6.69	6.9	7.5	7.9
00400p	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	28	7.	6.985	8.	6.5	0.185	0.43	6.69	6.9	7.5	7.9
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	28	0.1	0.104	0.316	0.01	0.006	0.077	0.013	0.032	0.126	0.205
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	26	6.	56.885	314.	1.5	9202.826	95.931	1.5	1.5	95.25	272.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	26	1.5	6.577	33.	1.	90.654	9.521	1.	1.	10.	25.7
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	26	5.	50.769	282.	1.5	7431.305	86.205	1.5	1.5	85.25	246.5
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	27	0.04	0.041	0.1	0.02	0.001	0.023	0.02	0.02	0.05	0.068
00613p	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	27##	0.005	0.007	0.02	0.005	0.	0.003	0.005	0.005	0.01	0.01
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	27	0.51	0.502	0.84	0.02	0.056	0.237	0.076	0.4	0.67	0.824
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	27	0.3	0.441	1.5	0.1	0.103	0.321	0.2	0.2	0.6	0.94
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	27	0.05	0.103	0.39	0.02	0.013	0.114	0.02	0.03	0.15	0.314
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	27	0.02	0.021	0.08	0.005	0.	0.017	0.009	0.01	0.02	0.05
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	27	0.01	0.013	0.07	0.005	0.	0.013	0.005	0.005	0.01	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	26	3.9	4.769	11.9	2.1	6.785	2.605	2.3	2.8	6.125	9.5
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	27	9.5	9.452	12.4	6.3	2.873	1.695	6.54	8.1	10.8	12.04

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Annual Analysis for 1994 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	31	15.6	16.213	29.5	0.5	73.037	8.546	3.1	10.	23.	27.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	27	4.4	17.289	169.	1.2	1346.804	36.699	1.54	2.1	9.7	74.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	31	84.	81.29	97.	62.	102.213	10.11	65.2	71.	89.	92.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	9	0.	0.889	8.	0.	7.111	2.667	0.	0.	0.	8.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	30	9.3	9.677	14.6	6.5	4.647	2.156	6.86	7.875	11.05	13.52
00400p	PH (STANDARD UNITS)	07/21/86-12/10/98	31	7.3	7.324	8.2	6.4	0.211	0.46	6.62	7.02	7.7	7.88
00400p	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	31	7.3	7.095	8.2	6.4	0.265	0.515	6.62	7.02	7.7	7.88
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	31	0.05	0.08	0.398	0.006	0.008	0.09	0.013	0.02	0.095	0.241
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	28	4.5	20.821	174.	1.5	1444.708	38.009	1.5	1.5	26.5	83.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	28##	1.5	4.393	23.	1.5	35.933	5.994	1.5	1.5	4.	13.1
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	28	3.	17.054	151.	1.5	1084.673	32.934	1.5	1.5	13.	71.5
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	31	0.018	0.022	0.116	0.005	0.	0.022	0.005	0.008	0.031	0.047
00613p	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	31	0.003	0.004	0.017	0.001	0.	0.003	0.001	0.002	0.005	0.006
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	31	0.45	0.399	0.95	0.002	0.073	0.27	0.005	0.17	0.55	0.754

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Annual Analysis for 1994 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	17	0.3	0.365	1.3	0.2	0.079	0.28	0.2	0.2	0.35	0.9
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	17	0.03	0.044	0.18	0.01	0.002	0.042	0.01	0.02	0.055	0.116
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	24	0.02	0.024	0.08	0.005	0.	0.021	0.005	0.01	0.03	0.065
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	31	0.009	0.012	0.047	0.002	0.	0.011	0.003	0.004	0.014	0.033
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	13	2.8	4.131	11.	2.1	6.776	2.603	2.26	2.55	5.4	9.48
00955	SILICA, DISSOLVED (MG/L AS SiO2)	01/10/88-12/10/98	31	9.6	9.755	13.	6.5	2.853	1.689	7.12	8.7	11.	12.28

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Annual Analysis for 1995 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	34	13.25	13.732	26.5	1.	66.806	8.173	3.	5.875	20.5	24.6
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	34	9.35	73.574	957.	3.2	33183.41	182.163	3.6	5.3	46.25	275.5
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	34	80.5	82.059	159.	42.	435.936	20.879	63.	74.	84.	95.
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	32	9.75	10.378	14.3	6.6	5.177	2.275	7.52	8.6	12.675	13.91
00400p	PH (STANDARD UNITS)	07/21/86-12/10/98	34	7.06	6.938	8.2	2.4	0.811	0.901	6.47	6.753	7.313	7.57
00400p	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	34	7.059	3.931	8.2	2.4	10.127	3.182	6.47	6.752	7.313	7.57
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	34	0.087	117.21	3981.072	0.006	466116.184	682.727	0.027	0.049	0.177	0.34
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	34	9.	74.456	698.	1.5	28784.49	169.66	1.5	3.	29.	378.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	34##	1.5	9.882	86.	1.5	402.334	20.058	1.5	1.5	4.25	44.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	34	7.	64.824	612.	1.5	22354.68	149.515	1.5	1.5	25.	334.
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	34	0.028	0.036	0.119	0.004	0.001	0.026	0.01	0.016	0.054	0.077
00613p	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	34	0.004	0.004	0.008	0.001	0.	0.002	0.002	0.003	0.004	0.008
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	34	0.515	0.461	0.73	0.02	0.035	0.187	0.16	0.35	0.623	0.655
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	22	0.4	0.645	2.5	0.05	0.443	0.666	0.065	0.2	0.825	1.96
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	22	0.065	0.235	1.5	0.02	0.15	0.387	0.023	0.04	0.173	0.98
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	34	0.04	0.042	0.13	0.01	0.001	0.023	0.02	0.03	0.05	0.07
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	34	0.019	0.019	0.038	0.008	0.	0.008	0.009	0.013	0.024	0.032
00955	SILICA, DISSOLVED (MG/L AS SiO2)	01/10/88-12/10/98	34	11.05	10.929	20.1	4.6	10.113	3.18	7.05	9.	12.425	13.75
49567	PHOSPHOROUS PARTICULATE, FIELD FILT.,SUSP,WTR MG/L	03/14/95-12/10/98	10	0.018	0.022	0.059	0.008	0.	0.016	0.008	0.009	0.031	0.057
49569	CARBON PARICULATE, FIELD FILTERED, SUSP., WTR MG/L	03/14/95-12/10/98	10	0.5	0.516	1.051	0.19	0.067	0.258	0.195	0.269	0.644	1.021
49570	NITROGEN PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	10	0.046	0.055	0.096	0.024	0.001	0.027	0.025	0.032	0.087	0.096
49571	NITROGEN TOTAL, FIELD FILTERED, DISSOLVED,WTR MG/L	03/14/95-12/10/98	10	0.861	0.728	0.955	0.364	0.057	0.238	0.367	0.459	0.919	0.953
49572	PHOSPHOROUS TOTAL, FIELD FILTRATED, DISSLVD,WTR MG/L	03/14/95-12/10/98	10	0.024	0.027	0.046	0.011	0.	0.012	0.012	0.019	0.036	0.046

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Annual Analysis for 1996 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	54	14.	13.693	26.	2.	58.687	7.661	4.	6.	21.	24.2
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	9	5.4	17.433	78.	3.6	649.147	25.478	3.6	4.15	24.7	78.
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	9	80.	78.778	84.	75.	11.194	3.346	75.	75.5	81.5	84.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	46	77.	74.696	91.	46.	101.105	10.055	60.5	71.	80.25	84.3
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	9	11.1	11.267	15.1	8.3	5.915	2.432	8.3	9.1	13.45	15.1
00400p	PH (STANDARD UNITS)	07/21/86-12/10/98	54	6.8	6.831	8.4	5.4	0.221	0.47	6.4	6.575	7.1	7.5
00400p	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	54	6.8	6.573	8.4	5.4	0.289	0.538	6.4	6.575	7.1	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	54	0.158	0.268	3.981	0.004	0.289	0.537	0.032	0.079	0.267	0.398
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	38.	116.373	972.	1.5	28888.715	169.967	2.4	4.	160.	311.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	5.	13.164	108.	1.5	329.547	18.153	1.5	1.5	18.	32.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	55	33.	103.382	864.	1.5	23030.416	151.758	1.5	3	142.	278.2
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	55	0.016	0.025	0.083	0.002	0.001	0.023	0.002	0.006	0.044	0.062
00613p	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	55	0.004	0.095	1.	0.002	0.083	0.289	0.002	0.003	0.007	0.047
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	55	0.5	0.522	0.95	0.18	0.024	0.154	0.34	0.43	0.58	0.74

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00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	33	0.028	0.028	0.08	0.	0.019	0.013	0.008	0.012	0.039	0.054
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	55	0.019	0.021	0.058	0.003	0.	0.013	0.008	0.012	0.027	0.04
00955	SILICA, DISSOLVED (MG/L AS SiO ₂)	01/10/88-12/10/98	54	10.	11.807	53.	5.9	64.233	8.015	7.5	8.9	12.	13.
49567	PHOSPHOROUS PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	30	0.032	0.161	1.15	0.006	0.061	0.248	0.009	0.012	0.248	0.481
49569	CARBON PARICULATE, FIELD FILTERED, SUSP., WTR MG/L	03/14/95-12/10/98	30	0.68	3.119	24.	0.	23.731	4.871	0.2	0.342	4.175	9.51
49570	NITROGEN PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	28	0.106	0.537	3.6	0.	0.796	0.892	0.03	0.04	0.585	1.91
49571	NITROGEN TOTAL, FIELD FILTERED, DISSOLVED, WTR MG/L	03/14/95-12/10/98	30	0.759	0.744	0.958	0.42	0.022	0.147	0.536	0.607	0.88	0.927
49572	PHOSPHOROUS TOTAL, FIELD FILTRATED, DISSLVD, WTR MG/L	03/14/95-12/10/98	30	0.029	0.036	0.073	0.01	0.	0.021	0.013	0.015	0.057	0.065

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Annual Analysis for 1997 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	8	19.65	18.6	27.7	9.3	56.394	7.51	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	10	5.35	6.54	22.	1.9	35.798	5.983	1.95	2.475	8.05	20.71
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	8	75.5	76.375	89.	66.	55.982	7.482	**	**	**	**
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	8	9.6	9.363	12.4	6.7	4.106	2.026	**	**	**	**
00400p	PH (STANDARD UNITS)	07/21/86-12/10/98	8	7.5	7.563	8.2	7.3	0.074	0.272	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	8	7.5	7.509	8.2	7.3	0.077	0.278	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/21/86-12/10/98	8	0.032	0.031	0.05	0.006	0.	0.012	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	8 ##	2.25	6.5	23.	1.5	68.714	8.289	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	8 ##	1.5	2.	4.	1.5	0.929	0.964	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	8 ##	1.5	5.125	19.	1.5	47.625	6.901	**	**	**	**
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	9	0.018	0.021	0.039	0.011	0.	0.01	0.011	0.014	0.028	0.039
00613p	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	9	0.002	0.003	0.006	0.001	0.	0.002	0.001	0.001	0.005	0.006
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	9	0.54	0.456	0.69	0.02	0.05	0.223	0.02	0.305	0.645	0.69
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	9	0.02	0.027	0.04	0.01	0.	0.011	0.01	0.02	0.04	0.04
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	9	0.011	0.012	0.018	0.006	0.	0.005	0.006	0.007	0.018	0.018
00955	SILICA, DISSOLVED (MG/L AS SiO ₂)	01/10/88-12/10/98	9	9.7	9.9	13.8	6.	7.015	2.649	6.	7.7	12.2	13.8
49567	PHOSPHOROUS PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	9	0.005	0.008	0.029	0.001	0.	0.009	0.001	0.003	0.013	0.029
49569	CARBON PARICULATE, FIELD FILTERED, SUSP., WTR MG/L	03/14/95-12/10/98	9	0.287	0.336	0.594	0.149	0.023	0.152	0.149	0.193	0.46	0.594
49570	NITROGEN PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	9	0.03	0.038	0.084	0.009	0.	0.022	0.009	0.023	0.051	0.084
49571	NITROGEN TOTAL, FIELD FILTERED, DISSOLVED, WTR MG/L	03/14/95-12/10/98	9	0.763	0.713	1.025	0.253	0.069	0.262	0.253	0.506	0.935	1.025
49572	PHOSPHOROUS TOTAL, FIELD FILTRATED, DISSLVD, WTR MG/L	03/14/95-12/10/98	9	0.024	0.023	0.04	0.009	0.	0.011	0.009	0.013	0.032	0.04

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Annual Analysis for 1998 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	11	13.9	16.227	26.6	6.	60.656	7.788	6.12	8.9	25.2	26.4
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	9	4.1	8.3	26.5	0.9	99.93	9.996	0.9	1.45	16.1	26.5
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	11	81.	85.364	109.	64.	234.855	15.325	64.6	74.	101.	108.4
00299p	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	11	10.	10.318	13.6	8.2	3.472	1.863	8.22	8.7	11.8	13.42
00400p	PH (STANDARD UNITS)	07/21/86-12/10/98	11	7.5	7.455	7.9	6.8	0.093	0.305	6.86	7.4	7.6	7.88
00400p	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	11	7.5	7.343	7.9	6.8	0.106	0.326	6.86	7.4	7.6	7.88
00400p	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/21/86-12/10/98	11	0.032	0.045	0.158	0.013	0.002	0.041	0.013	0.025	0.04	0.143
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	9	5.	10.889	44.	1.5	208.486	14.439	1.5	1.5	19.	44.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	9 ##	1.5	2.667	7.	1.5	4.063	2.016	1.5	1.5	4.	7.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	9 ##	1.5	8.833	37.	1.5	152.125	12.334	1.5	1.5	16.	37.
00608p	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	9	0.014	0.022	0.05	0.012	0.	0.014	0.012	0.012	0.033	0.05
00613p	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	10 ##	0.001	0.002	0.005	0.001	0.	0.001	0.001	0.001	0.002	0.005
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	10	0.09	0.233	0.64	0.006	0.072	0.268	0.006	0.008	0.563	0.633
00666p	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	10	0.02	0.023	0.04	0.01	0.	0.009	0.01	0.018	0.03	0.039

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

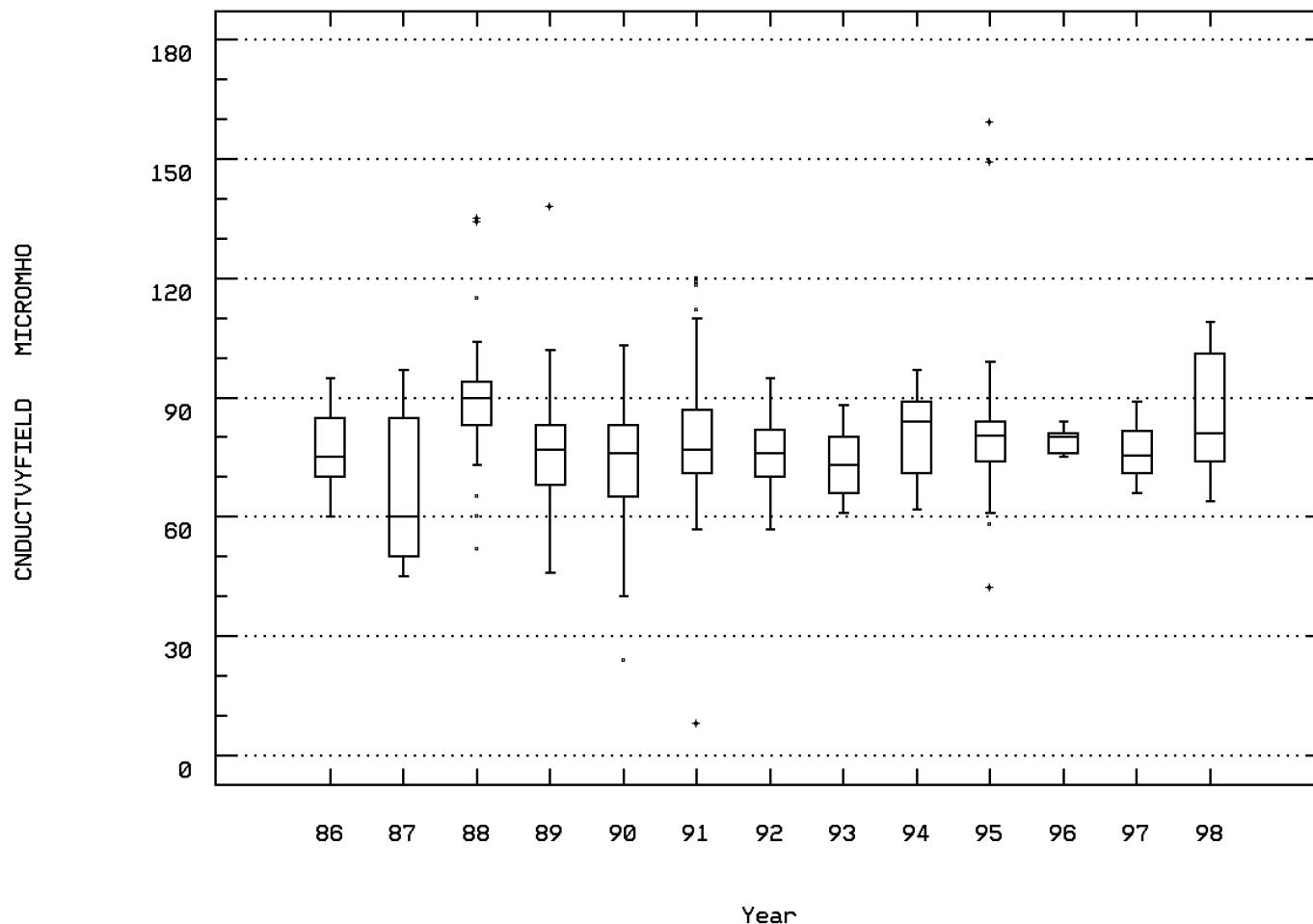
Annual Analysis for 1998 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00671p	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	10	0.008	0.01	0.022	0.003	0.	0.007	0.003	0.004	0.016	0.022
00955	SILICA, DISSOLVED (MG/L AS SiO2)	01/10/88-12/10/98	10	7.	7.59	12.3	1.9	17.561	4.191	2.09	3.8	12.1	12.28
49567	PHOSPHOROUS PARTICULATE, FIELD FILT.,SUSP,WTR MG/L	03/14/95-12/10/98	10	0.012	0.02	0.059	0.003	0.	0.019	0.003	0.005	0.034	0.057
49569	CARBON PARICULATE, FIELD FILTERED, SUSP., WTR MG/L	03/14/95-12/10/98	10	0.51	0.823	2.254	0.266	0.545	0.738	0.269	0.312	1.199	2.238
49570	NITROGEN PARTICULATE, FIELD FILT., SUSP., WTR MG/L	03/14/95-12/10/98	10	0.058	0.089	0.309	0.003	0.01	0.1	0.005	0.023	0.115	0.301
49571	NITROGEN TOTAL, FIELD FILTERED, DISSOLVED,WTR MG/L	03/14/95-12/10/98	10	0.346	0.453	0.911	0.2	0.073	0.269	0.201	0.223	0.746	0.9
49572	PHOSPHOROUS TOTAL, FIELD FILTRED, DISSLVD,WTR MG/L	03/14/95-12/10/98	10	0.015	0.015	0.032	0.003	0.	0.009	0.003	0.008	0.022	0.031

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: FRSP0033 Parameter Code: 00094

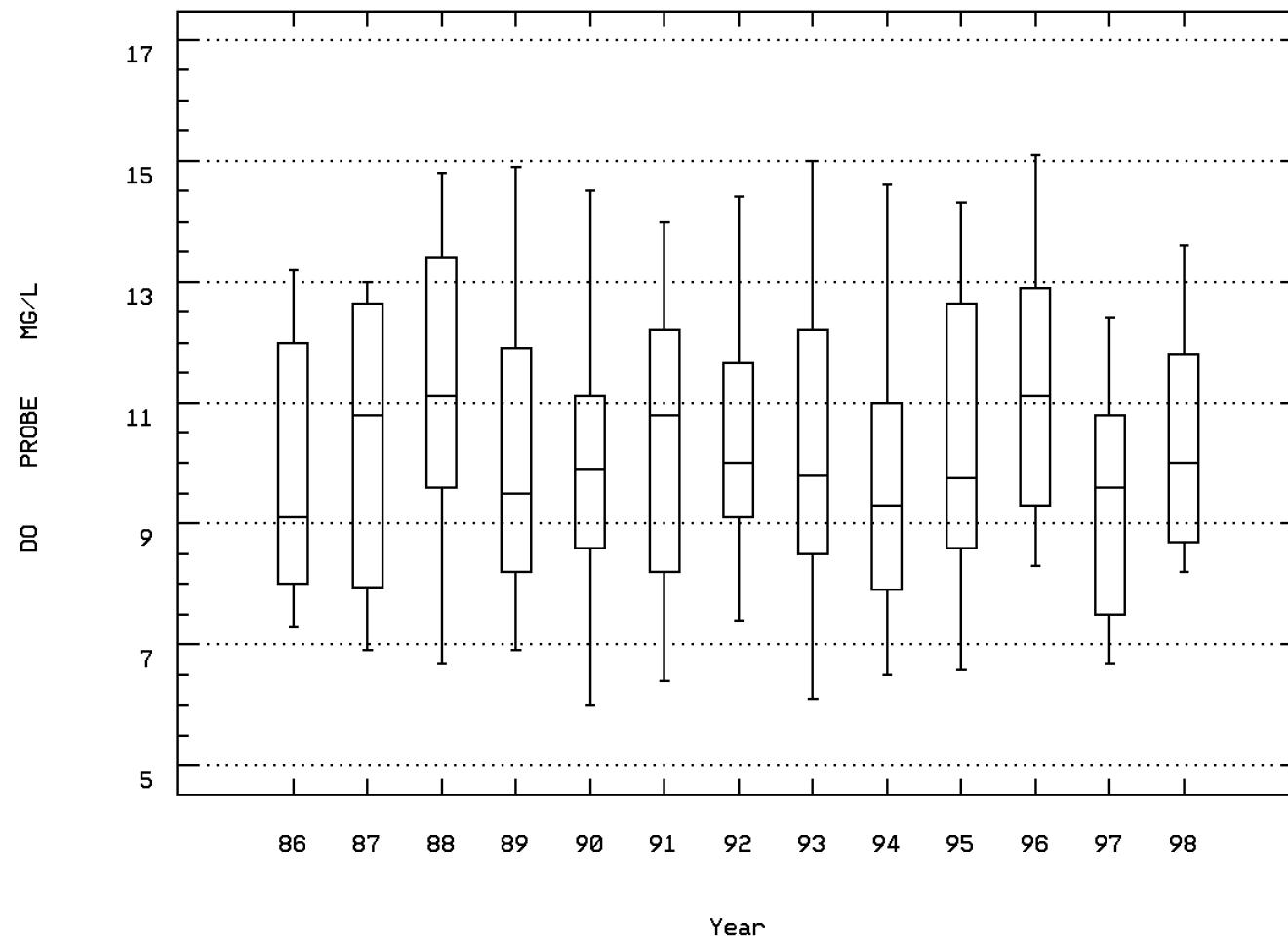
SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @



ROUTE 1, FREDERICKBURG

Station: FRSP0033 Parameter Code: 00299

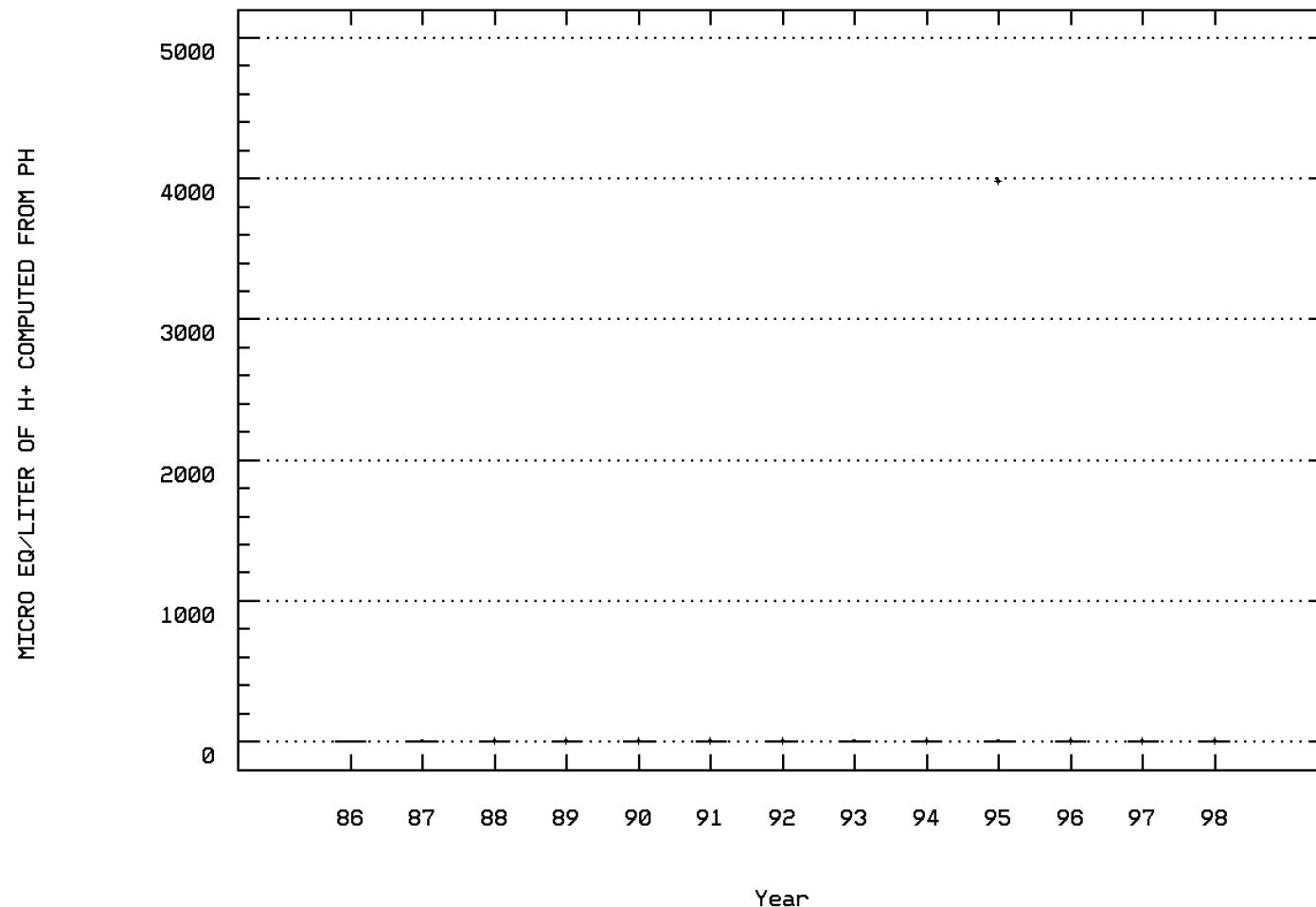
OXYGEN ,DISSOLVED, ANALYSIS BY PROBE



ROUTE 1, FREDERICKBURG

Station: FRSP0033 Parameter Code: 00400

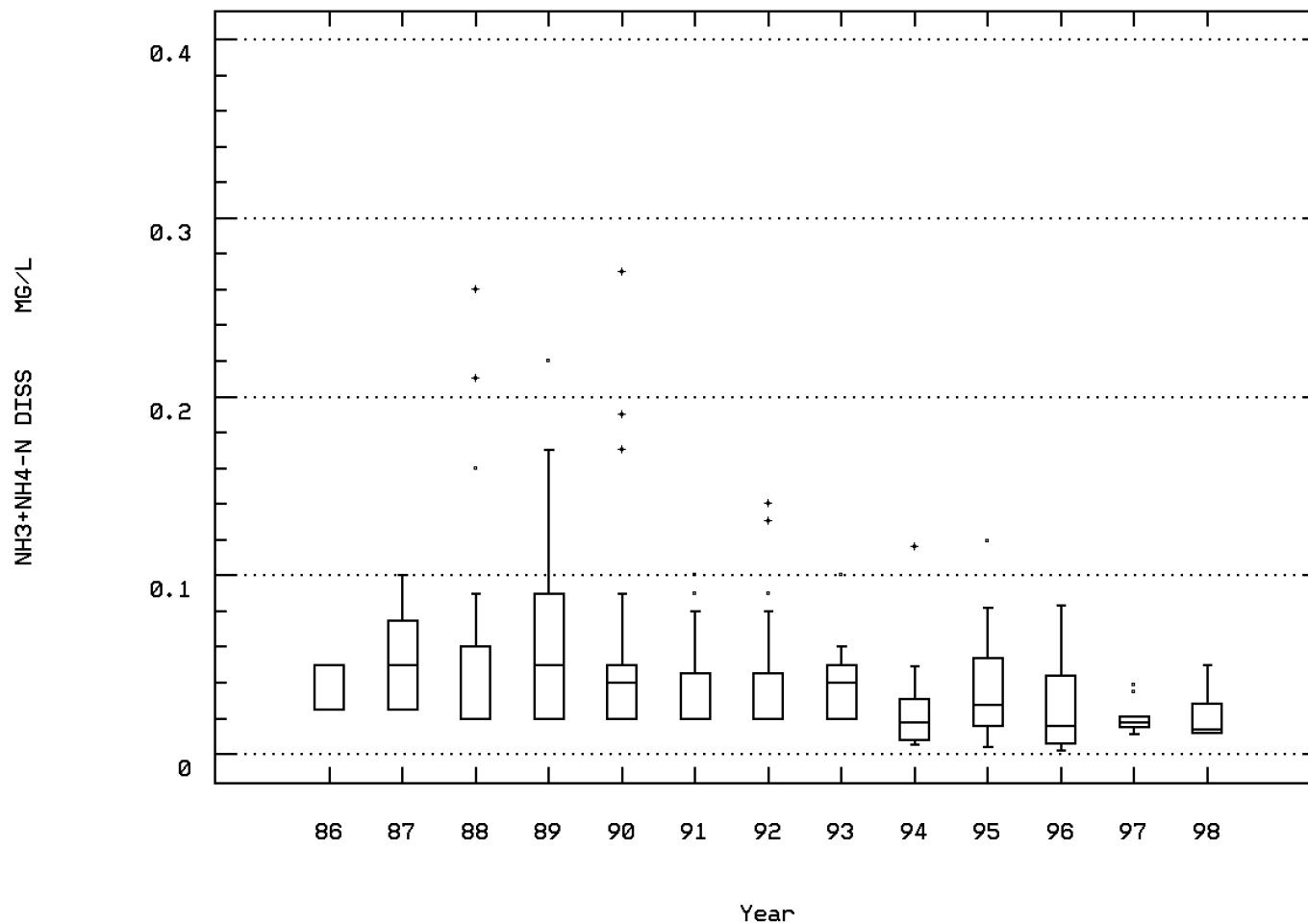
MICRO EQ/LITER OF H⁺ COMPUTED FROM PH



ROUTE 1, FREDERICKBURG

Station: FRSP0033 Parameter Code: 00608

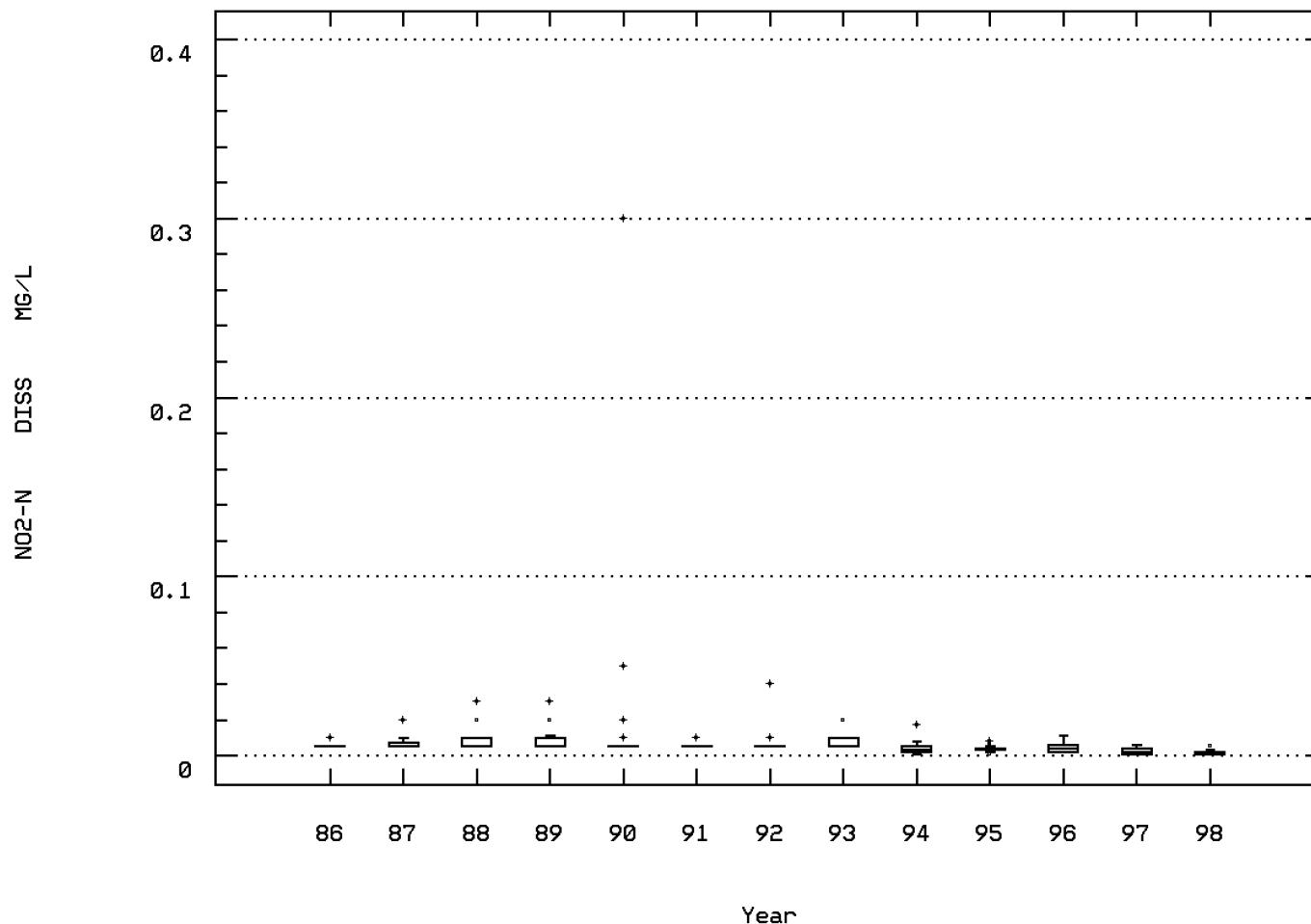
NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)



ROUTE 1, FREDERICKBURG

Station: FRSP0033 Parameter Code: 00613

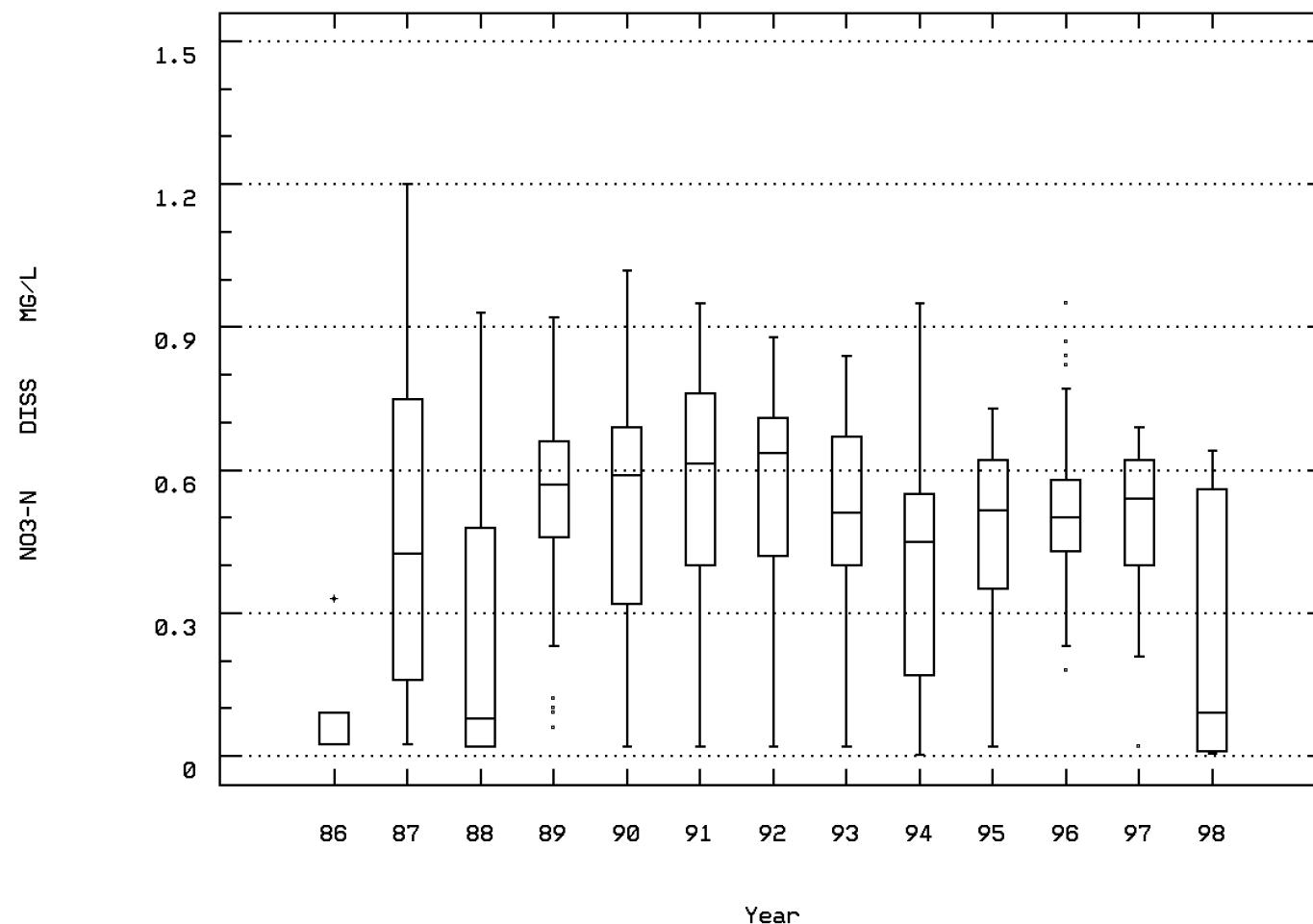
NITRITE NITROGEN, DISSOLVED (MG/L AS N)



ROUTE 1, FREDERICKBURG

Station: FRSP0033 Parameter Code: 00618

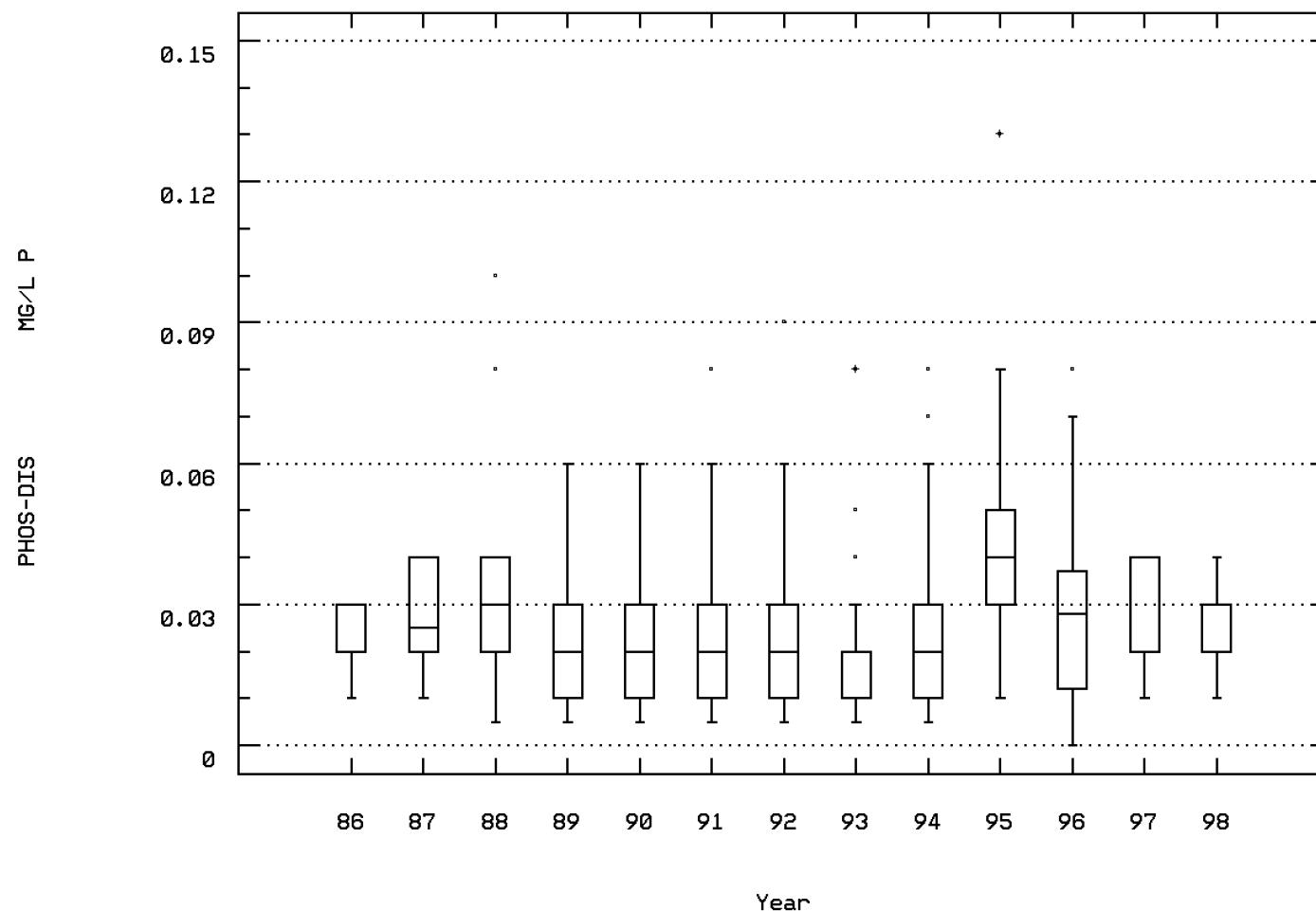
NITRATE NITROGEN, DISSOLVED (MG/L AS N)



ROUTE 1, FREDERICKBURG

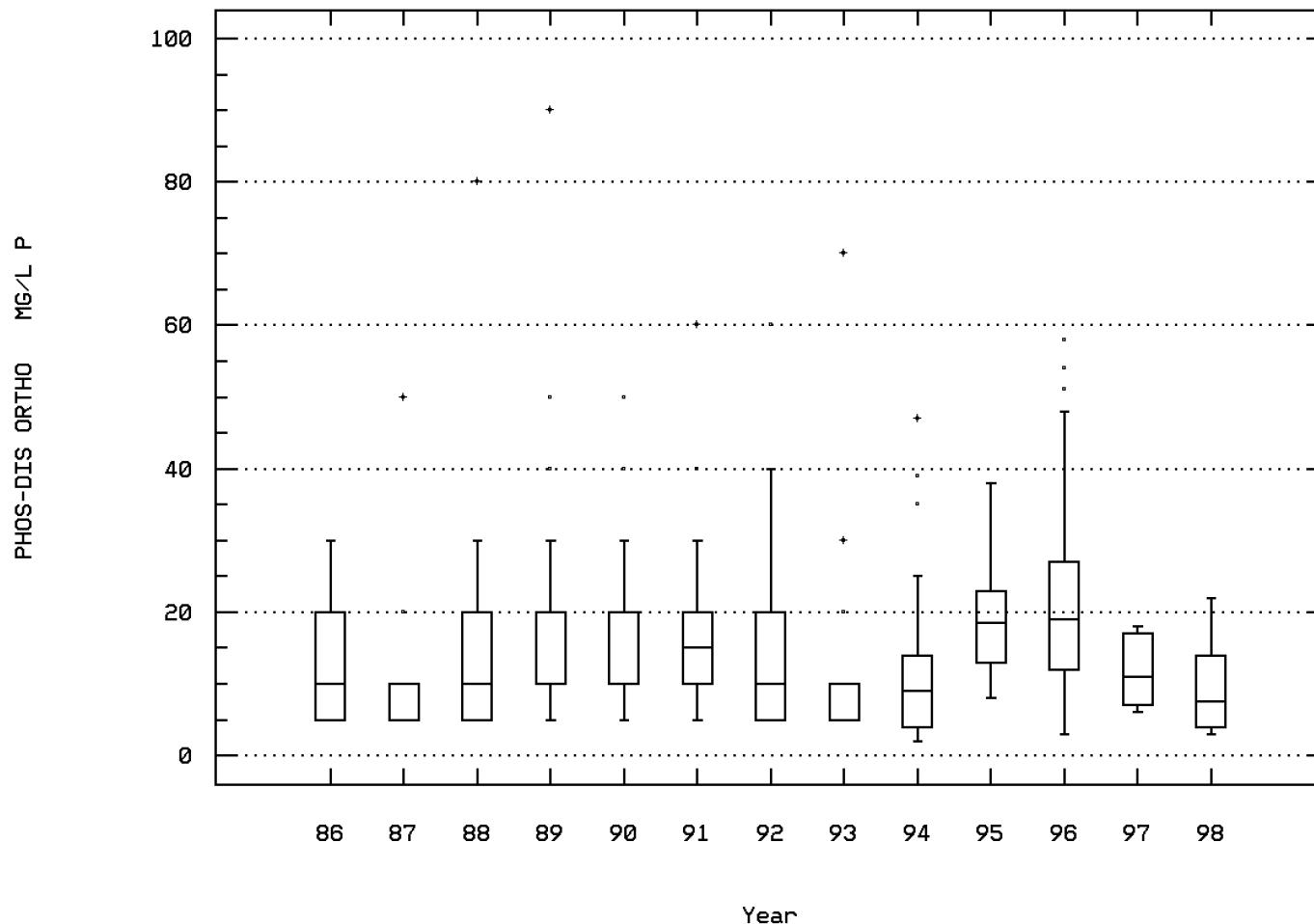
Station: FRSP0033 Parameter Code: 00666

PHOSPHORUS, DISSOLVED (MG/L AS P)



ROUTE 1, FREDERICKBURG

Station: FRSP0033 Parameter Code: 00671
(X 0.001)
PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (M



ROUTE 1, FREDERICKBURG

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	118	24.	23.042	31.3	9.8	17.809	4.22	17.27	20.5	26.	27.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	41	5.	43.415	360.	0.8	6874.193	82.911	1.8	2.3	56.	155.2
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	104	80.	80.183	138.	40.	177.898	13.338	65.	75.	87.	96.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	51	75.	73.196	103.	44.	134.161	11.583	58.	67.	80.	84.8
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	71	0.	0.115	8.	0.	0.901	0.949	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	104	8.2	8.144	11.1	6.	1.048	1.024	6.7	7.425	8.775	9.55
00300	OXYGEN, DISSOLVED MG/L	07/21/86-12/23/96	17	8.4	8.229	9.4	6.1	0.83	0.911	6.74	7.6	9.	9.32
00310	BOD, 5 DAY, 20 DEG C MG/L	01/10/88-03/15/94	24	1.	1.958	6.	0.5	2.194	1.481	0.75	1.	2.75	4.5
00400	PH (STANDARD UNITS)	07/21/86-12/10/98	115	7.2	7.259	9.35	5.8	0.353	0.594	6.66	6.9	7.52	8.04
00400	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	115	7.2	6.897	9.35	5.8	0.485	0.696	6.66	6.9	7.52	8.04
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	115	0.063	0.127	1.585	0.	0.055	0.234	0.009	0.03	0.126	0.22
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	105	6.	59.924	503.	0.5	12193.807	110.426	1.5	2.	59.	255.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	105	2.	8.448	56.	0.	163.134	12.772	1.	1.5	10.	32.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	105	4.	51.838	448.	0.5	9565.786	97.805	1.	1.5	50.	222.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	115	0.021	0.037	0.21	0.002	0.001	0.032	0.012	0.02	0.05	0.07
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	115 ##	0.005	0.014	1.	0.001	0.009	0.093	0.002	0.005	0.005	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	116	0.325	0.307	0.93	0.005	0.058	0.241	0.02	0.053	0.52	0.593
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	84	0.4	0.588	1.8	0.1	0.174	0.417	0.2	0.3	0.8	1.3
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	84	0.05	0.102	0.6	0.005	0.02	0.14	0.02	0.03	0.08	0.28
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	98	0.03	0.028	0.08	0.005	0.	0.016	0.01	0.02	0.04	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	117	0.015	0.018	0.09	0.003	0.	0.014	0.005	0.01	0.021	0.038
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	79	3.9	5.281	73.2	1.2	64.387	8.024	2.3	2.8	6.	8.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	98	9.3	10.116	53.	3.8	39.753	6.305	6.58	7.775	11.	12.52

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	208	6.35	7.15	18.6	0.	15.715	3.964	2.28	4.	10.	13.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	59	12.2	39.137	220.	0.9	2898.884	53.841	2.7	4.5	52.	137.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	190	79.	79.716	135.	8.	245.062	15.654	62.1	71.	88.	94.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	98	78.5	81.541	135.	53.	186.21	13.646	66.8	74.75	89.25	98.1
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	113	0.	0.053	6.	0.	0.319	0.564	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	186	11.95	11.963	15.1	7.2	2.509	1.584	9.8	11.	13.2	14.
00300	OXYGEN, DISSOLVED MG/L	07/21/86-12/23/96	22	12.15	12.25	14.5	9.8	1.508	1.228	10.41	11.6	13.05	14.25
00310	BOD, 5 DAY, 20 DEG C MG/L	01/10/88-03/15/94	44	2.	2.477	11.	0.5	4.36	2.088	0.5	1.	3.75	5.5
00400	PH (STANDARD UNITS)	07/21/86-12/10/98	199	7.18	7.234	9.6	2.4	0.479	0.692	6.6	6.9	7.6	7.9
00400	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	199	7.18	4.696	9.6	2.4	6.949	2.636	6.6	6.9	7.6	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	199	0.066	20.125	3981.072	0.	79638.16	282.202	0.013	0.025	0.126	0.251
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	195	16.	68.059	844.	0.5	13016.073	114.088	1.5	3.	103.	215.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	194	3.	8.977	100.	0.5	172.511	13.134	1.	1.5	11.	26.5
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	195	13.	59.028	744.	0.5	10265.006	101.316	1.	2.	87.	187.2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	211	0.02	0.042	0.27	0.002	0.002	0.042	0.013	0.02	0.056	0.09
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	211 ##	0.005	0.026	1.	0.001	0.019	0.137	0.003	0.005	0.005	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	212	0.63	0.588	1.2	0.002	0.062	0.249	0.071	0.48	0.76	0.84
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	172	0.4	0.53	2.6	0.05	0.185	0.43	0.2	0.2	0.675	1.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	174	0.05	0.123	0.8	0.01	0.02	0.141	0.02	0.03	0.173	0.365
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	172	0.02	0.024	0.08	0.005	0.	0.017	0.01	0.01	0.03	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	212	0.01	0.016	0.08	0.003	0.	0.013	0.005	0.006	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	149	4.	5.291	106.	1.1	77.234	8.788	1.8	2.55	5.9	8.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	166	10.1	10.057	20.1	0.1	6.813	2.61	6.7	8.9	12.	13.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0033

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/21/86-12/10/98	127	17.3	17.788	28.9	7.8	22.544	4.748	12.	14.	21.	24.8
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	11/15/88-12/10/98	40	7.1	56.335	957.	0.4	28588.339	169.081	1.63	3.225	13.425	156.9
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/21/86-12/10/98	115	72.	72.113	159.	24.	228.768	15.125	57.6	64.	80.	83.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	01/10/88-12/23/96	58	73.	71.207	96.	40.	111.29	10.549	58.9	64.	77.	83.
00096	SALINITY AT 25 DEGREES C (MG/ML)	07/21/86-11/15/94	57	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/21/86-12/10/98	109	9.1	9.18	12.9	6.4	1.553	1.246	7.5	8.45	9.95	10.7
00300	OXYGEN, DISSOLVED MG/L	07/21/86-12/23/96	13	9.2	9.069	10.8	6.7	1.784	1.336	6.98	7.9	10.2	10.64
00310	BOD, 5 DAY, 20 DEG C MG/L	01/10/88-03/15/94	37	2.	2.5	7.	0.5	3.111	1.764	0.5	1.	3.5	5.
00400	PH (STANDARD UNITS)	07/21/86-12/10/98	127	7.2	7.224	8.92	6.32	0.28	0.529	6.6	6.8	7.5	8.
00400	CONVERTED PH (STANDARD UNITS)	07/21/86-12/10/98	127	7.2	6.979	8.92	6.32	0.341	0.584	6.6	6.8	7.5	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/21/86-12/10/98	127	0.063	0.105	0.479	0.001	0.011	0.103	0.01	0.032	0.158	0.251
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/10/88-12/10/98	123	21.	95.683	972.	1.5	30065.854	173.395	1.5	4.	100.	308.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/10/88-12/10/98	124	4.	12.637	108.	1.	422.18	20.547	1.	1.5	13.	35.5
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/10/88-12/10/98	123	17.	83.752	864.	0.5	23593.104	153.6	1.5	3.	88.	271.2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	129	0.025	0.039	0.17	0.002	0.001	0.03	0.012	0.02	0.05	0.09
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	129	0.005	0.007	0.05	0.001	0.	0.006	0.002	0.005	0.009	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	07/21/86-12/10/98	129	0.5	0.49	0.88	0.02	0.029	0.171	0.28	0.375	0.615	0.69
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/21/86-06/30/95	101	0.4	0.62	2.9	0.05	0.326	0.571	0.2	0.3	0.75	1.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/21/86-06/30/95	101	0.08	0.175	1.5	0.01	0.065	0.255	0.02	0.03	0.195	0.482
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	07/21/86-12/10/98	123	0.02	0.024	0.13	0.	0.	0.019	0.009	0.01	0.03	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/21/86-12/10/98	129	0.01	0.014	0.06	0.002	0.	0.009	0.005	0.01	0.02	0.029
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/21/86-08/08/94	85	3.7	4.654	14.6	1.3	7.38	2.717	2.1	2.7	5.85	8.94
00955	SILICA, DISSOLVED (MG/L AS SI02)	01/10/88-12/10/98	123	9.9	9.61	13.	1.8	4.222	2.055	6.9	8.5	11.	12.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0034

NPS Station ID: FRSP0034
 Location: R OFF VA RT 3 BRIDGEFREDERICKSBG
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: RAPPAHANNOCK RIVER
 Minor Basin: RAPPAHANNOCK
 RF1 Index: 02080104042
 RF3 Index:
 Description:
 PRE-IMPOUNDMENT STUDY IN RAPPAHAN-NOCK RIVER BASIN IN THE VICINITY OF THE PROPOSED SALEM CHURCH LAKE. REQUESTED BY ARMY CORPS OF ENGINEERS

LAT/LON: 38.300004/ -77.472226

Agency: 1113VABD
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): SC 6
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 5.580
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0034

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0035

NPS Station ID: FRSP0035
 Location: UNNAMED TRIBUTARY TO DEEP RUN
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104 Depth of Water: 0
 Major Basin: NORTH ATLANTIC Elevation: 0
 Minor Basin: RAPPAHANNOCK AND YORK RIVERS-VA COAST
 RF1 Index: 02080104 RF1 Mile Point: 0.000
 RF3 Index: RF3 Mile Point: 0.000
 Description:

THE STATION IS LOCATED ON THE FREDERICKSBURG; VIRGINIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 09 IS AT AN UNNAMED TRIBUTARY TO DEEP RUN AT THE FREDERICKSBURG BATTLEFIELD INSIDE OF THE FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STUDY WAS CONDUCTED BY THE NATIONAL PARK SERVICE; BEGINNING IN 1993; TO MONITOR WATER QUALITY AT SIX PERENNIAL STREAMS IN THE AREA OF THE PARK. THESE STREAMS WERE CHOSEN TO BE THE MOST LIKELY TO BE IMPACTED BY URBAN AND AGRICULTURAL POLLUTION. IN 1995 FOUR ADDITIONAL WATER QUALITY MONITORING STATIONS; SEVEN THROUGH TEN; WERE ADDED TO THE PROGRAM. DATA ARE FROM THE DBASE FILE WATERAQU.DBF CREATED BY FRSP. FOR MORE INFORMATION CONTACT FRSP'S CHIEF OF RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-371-0802). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER QUALITY DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3556).

LAT/LON: 38.266670/ -77.475003

Agency: 11NPSWRD
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): FRSP_NPS_09
 Within Park Boundary: Yes

Date Created: 10/10/98

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0035

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/25/95-12/01/95	2	13.05	13.05	17.3	8.8	36.125	6.01	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	09/25/95-12/01/95	2	0.535	0.535	1.	0.07	0.432	0.658	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/25/95-12/01/95	2	52.5	52.5	55.	50.	12.5	3.536	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/25/95-12/01/95	2	10.35	10.35	12.6	8.1	10.125	3.182	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	09/25/95-12/01/95	2	5.64	5.64	6.13	5.15	0.48	0.693	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	09/25/95-12/01/95	2	5.408	5.408	6.13	5.15	0.588	0.767	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/25/95-12/01/95	2	3.91	3.91	7.079	0.741	20.086	4.482	**	**	**	**
61272	INVALID PARAMETER	09/25/95-12/01/95	2	0.25	0.25	0.3	0.2	0.005	0.071	**	**	**	**
61277	INVALID PARAMETER	09/25/95-12/01/95	2	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	09/25/95-12/01/95	2	26.5	26.5	28.	25.	4.5	2.121	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0035

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00			
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00	1	0	0.00	1	0	0.00			
		Other-Lo Lim.	6.5	2	2	1.00	1	1	1.00	1	1	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0036

NPS Station ID: FRSP0036
 Location: VEPCO CANAL, RT. 1 BRIDGE
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104042
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VA
 RIVER: RAPPAHANNOCK RI. SECTION: 04B TOPO MAP #: 0038 TOPO MAP NAME: FREDERICKSBURG, VA

LAT/LON: 38.311392/ -77.477226

Agency: 21VASWCB
 FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY)
 STORET Station ID(s): 3-RPP112.98 /VA3-04BX0050/VA3-3X0050
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 6.920
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: ON
 On/Off RF3:

Parameter Inventory for Station: FRSP0036

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	67	15.6	15.66	27.8	-1.1	71.363	8.448	4.3	8.9	24.4	27.2
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/25/71-07/15/71	4	16.9	29.525	80.	4.3	1265.209	35.57	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	68	9.7	9.521	14.	4.	4.528	2.128	7.	7.8	11.	12.42
00310	BOD, 5 DAY, 20 DEG C MG/L	10/08/68-02/23/76	13	2.	1.931	5.1	1.	1.071	1.035	1.08	1.2	2.	3.9
00400	PH (STANDARD UNITS)	07/01/68-02/23/76	68	7.	7.122	8.7	6.	0.251	0.501	6.68	6.8	7.375	7.61
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	68	7.	6.911	8.7	6.	0.296	0.544	6.68	6.8	7.375	7.61
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	68	0.1	0.123	1.	0.002	0.019	0.137	0.025	0.042	0.158	0.211
00403	PH, LAB, STANDARD UNITS SU	10/08/68-05/31/70	8	7.	6.938	7.6	6.1	0.203	0.45	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/08/68-05/31/70	8	7.	6.711	7.6	6.1	0.261	0.511	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/68-05/31/70	8	0.1	0.194	0.794	0.025	0.064	0.252	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/08/68-05/07/70	7	17.	16.857	25.	10.	19.143	4.375	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/08/68-11/25/70	8	89.	98.75	155.	69.	820.214	28.639	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-11/25/70	8	39.5	41.125	76.	22.	293.839	17.142	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	10/08/68-11/25/70	8	45.	43.75	74.	12.	347.929	18.653	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-11/25/70	8	10.	15.75	58.	4.	313.071	17.694	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-11/25/70	8	4.	5.5	13.	1.	22.	4.69	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-11/25/70	8	5.	10.25	48.	2.	238.214	15.434	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	58	0.05	0.075	0.31	0.005	0.004	0.061	0.02	0.05	0.1	0.15
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	59	0.01	0.01	0.05	0.005	0.	0.009	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	59	0.59	0.639	4.	0.005	0.368	0.606	0.09	0.33	0.85	1.029
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	59	0.3	0.319	0.9	0.05	0.039	0.199	0.1	0.2	0.4	0.6
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/09/75-02/23/76	3	5.	4.667	7.	2.	6.333	2.517	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/72-10/04/72	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/18/71-10/21/75	7 ##	2.5	2.357	2.5	1.5	0.143	0.378	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/25/70-10/21/75	9 ##	5.	5.556	10.	5.	2.778	1.667	5.	5.	5.	10.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-10/21/75	16 ##	5.	7.5	20.	5.	16.667	4.082	5.	5.	10.	13.
01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-10/21/75	16 ##	5.	9.063	30.	5.	57.396	7.576	5.	5.	10.	23.
01045	IRON, TOTAL (UG/L AS FE)	11/25/70-12/14/71	4	450.	550.	1000.	300.	96666.667	310.913	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/25/70-10/21/75	14 ##	5.	7.	13.	5.	8.308	2.882	5.	5.	10.	11.5
01055	MANGANESE, TOTAL (UG/L AS MN)	03/18/70-06/01/71	4	45.	59.975	109.9	40.	1130.003	33.616	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-10/21/75	4 ##	50.	38.75	50.	5.	506.25	22.5	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-10/21/75	17 ##	5.	9.118	40.	5.	78.86	8.88	5.	5.	10.	24.
31505	COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)	07/01/68-01/23/72	13	1500.	4430.231	23000.	43.	45742005.692	6763.284	117.8	430.	7650.	18200.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/01/68-01/23/72	13	3.176	3.119	4.362	1.633	0.614	0.784	1.925	2.633	3.837	4.234
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506				1314.425								
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	51	100.	852.353	6000.	20.	2368022.353	1538.838	50.	50.	700.	3880.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	51	2.	2.301	3.778	1.301	0.524	0.724	1.699	1.699	2.845	3.589
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				200.073								
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	07/15/71-07/15/71	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/19/74-08/09/75	2	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	59##	0.05	0.064	0.3	0.025	0.002	0.045	0.05	0.05	0.05	0.1
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	59	0.05	0.068	1.799	0.005	0.053	0.23	0.01	0.02	0.05	0.06
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-10/21/75	16##	0.25	0.266	0.5	0.25	0.004	0.063	0.25	0.25	0.25	0.325

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0036

Parameter	Std. Type	Std. Value	Total	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	1	0.25	1	1.00				3	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	68	1	0.01	23	0.00	26	0	0.00	19	1	0.05			
00400	PH	Fresh Chronic	9.	68	0	0.00	24	0.00	26	0	0.00	18	0	0.00			
00403	PH, LAB	Other-Lo Lim.	6.5	68	6	0.09	24	2.08	26	2	0.08	18	2	0.11			
		Fresh Chronic	9.	8	0	0.00	2	0.00	2	0	0.00	4	0	0.00			
		Other-Lo Lim.	6.5	8	1	0.13	2	1.50	2	0	0.00	4	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	59	0	0.00	18	0	24	0	0.00	17	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	59	0	0.00	18	0	24	0	0.00	17	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00								
01002	ARSENIC, TOTAL	Fresh Acute	360.	7	0	0.00	1	0.00	3	0	0.00	3	0	0.00			
		Drinking Water	50.	7	0	0.00	1	0.00	3	0	0.00	3	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1&	1	1.00						1	1	1.00			
		Drinking Water	5.	1&	1	1.00						1	1	1.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	16	0	0.00	3	0	7	0	0.00	6	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	16	3	0.19	3	0	7	1	0.14	6	2	0.33			
01051	LEAD, TOTAL	Drinking Water	1300.	16	0	0.00	3	0	7	0	0.00	6	0	0.00			
		Fresh Acute	82.	14	0	0.00	3	0	7	0	0.00	4	0	0.00			
		Drinking Water	15.	14	0	0.00	3	0	7	0	0.00	4	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	4	0	0.00			3	0	0.00	1	0	0.00			
		Drinking Water	100.	4	0	0.00			3	0	0.00	1	0	0.00			
01092	ZINC, TOTAL	Fresh Acute	120.	17	0	0.00	3	0	7	0	0.00	7	0	0.00			
		Drinking Water	5000.	17	0	0.00	3	0	7	0	0.00	7	0	0.00			
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	5000.	17	0	0.00	3	0	7	0	0.00	7	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	1000.	13	7	0.54	8	3	0.38	2	1.00	3	2	0.67			
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00	1	0	0.00			1	0	0.00			
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	2	0	0.00	1	0	0.00			5	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	16	0	0.00	4	0	0.00	7	0	0.00	5	0	0.00		
		Drinking Water	2.	16	0	0.00	4	0	0.00	7	0	0.00	5	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1968 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	4	25.8	24.	27.2	17.2	22.293	4.722	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	3	7.	7.667	9.	7.	1.333	1.155	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/23/76	4	7.3	7.275	7.5	7.	0.069	0.263	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	4	7.255	7.217	7.5	7.	0.074	0.271	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	4	0.056	0.061	0.1	0.032	0.001	0.035	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	2	14.15	14.15	24.4	3.9	210.125	14.496	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	3	7.2	8.767	12.	7.1	7.843	2.801	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/23/76	2	6.65	6.65	6.8	6.5	0.045	0.212	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	2	6.625	6.625	6.8	6.5	0.046	0.215	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	2	0.237	0.237	0.316	0.158	0.012	0.112	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	9	11.1	14.189	26.1	3.9	85.941	9.27	3.9	4.4	23.35	26.1
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	9	8.8	8.556	13.	4.	7.528	2.744	4.	6.3	10.2	13.
00400	PH (STANDARD UNITS)	07/01/68-02/23/76	9	7.	7.067	8.7	6.	0.54	0.735	6.	6.65	7.25	8.7
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	9	7.	6.68	8.7	6.	0.708	0.841	6.	6.65	7.25	8.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	9	0.1	0.209	1.	0.002	0.096	0.31	0.002	0.057	0.237	1.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	9	0.08	0.087	0.21	0.02	0.004	0.06	0.02	0.03	0.12	0.21
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	9	0.01	0.011	0.03	0.005	0.	0.008	0.005	0.005	0.01	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	9	0.39	0.438	0.89	0.005	0.092	0.303	0.005	0.15	0.685	0.89
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	9	0.2	0.328	0.9	0.05	0.063	0.251	0.05	0.2	0.45	0.9
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	2	1200.	1200.	1400.	1000.	80000.	282.843	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	2	3.073	3.073	3.146	3.	0.011	0.103	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				1183.216								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	9 ##	0.05	0.047	0.1	0.025	0.001	0.023	0.025	0.025	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	9	0.01	0.025	0.09	0.005	0.001	0.027	0.005	0.01	0.035	0.09

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	12	13.9	15.008	27.8	3.9	48.29	6.949	5.07	9.175	21.225	26.3
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	12	9.6	10.017	12.8	7.	3.145	1.773	7.36	8.75	11.95	12.56
00400	PH (STANDARD UNITS)	07/01/68-02/23/76	12	7.3	7.233	8.3	6.5	0.244	0.494	6.56	6.825	7.5	8.12
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	12	7.3	7.023	8.3	6.5	0.293	0.541	6.56	6.825	7.5	8.12
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	12	0.05	0.095	0.316	0.005	0.008	0.092	0.009	0.032	0.15	0.281
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	11	0.05	0.073	0.19	0.01	0.004	0.065	0.01	0.02	0.15	0.182
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	11	0.01	0.02	0.05	0.	0.005	0.	0.015	0.006	0.01	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	11	0.51	0.664	2.599	0.05	0.532	0.73	0.058	0.09	0.89	2.285
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	11	0.3	0.359	0.9	0.05	0.089	0.299	0.06	0.1	0.7	0.88
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	10 ##	75.	1245.	5200.	50.	3743583.333	1934.834	50.	50.	2925.	5070.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	10 ##	1.849	2.382	3.716	1.699	0.759	0.871	1.699	1.699	3.459	3.704

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	240.932							
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	11 ##	0.05	0.091	0.3	0.05	0.007	0.083	0.05	0.05	0.1	0.28
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	11	0.04	0.04	0.08	0.01	0.	0.019	0.012	0.03	0.05	0.076

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	11	15.6	15.427	27.8	2.2	83.378	9.131	2.88	6.1	25.6	27.58
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	12	10.5	10.233	14.	7.8	4.544	2.132	7.8	8.	12.1	13.58
00400	PH (STANDARD UNITS)	07/01/68-02/23/76	12	7.	7.042	8.5	6.5	0.259	0.509	6.56	6.7	7.175	8.11
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	12	7.	6.889	8.5	6.5	0.284	0.533	6.56	6.7	7.175	8.11
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	12	0.1	0.129	0.316	0.003	0.007	0.085	0.021	0.067	0.2	0.281
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	12	0.07	0.105	0.31	0.005	0.01	0.101	0.007	0.035	0.128	0.307
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	12	0.01	0.011	0.02	0.005	0.	0.004	0.007	0.01	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	12	0.49	0.569	1.189	0.04	0.107	0.327	0.073	0.393	0.858	1.099
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	12	0.3	0.358	0.6	0.1	0.021	0.144	0.13	0.3	0.5	0.57
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-02/23/76	12	150.	1293.333	6000.	20.	4537533.333	2130.149	29.	62.5	2175.	5730.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-02/23/76	12	2.151	2.45	3.778	1.301	0.687	0.829	1.42	1.774	3.268	3.757
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	281.525							
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	12 ##	0.05	0.058	0.1	0.05	0.	0.019	0.05	0.05	0.05	0.1
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	12	0.025	0.182	1.799	0.01	0.26	0.51	0.013	0.02	0.06	1.286

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	12	15.	15.7	27.8	3.9	73.356	8.565	4.23	7.8	25.4	27.8
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	12	10.6	10.025	12.6	6.4	3.229	1.797	6.76	8.5	10.95	12.36
00400	PH (STANDARD UNITS)	07/01/68-02/23/76	12	6.95	7.075	7.6	6.7	0.131	0.362	6.7	6.725	7.475	7.57
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	12	6.925	6.955	7.6	6.7	0.147	0.383	6.7	6.725	7.475	7.57
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	12	0.119	0.111	0.2	0.025	0.005	0.074	0.027	0.034	0.189	0.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	10 ##	0.05	0.051	0.1	0.03	0.	0.019	0.03	0.045	0.05	0.095
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	11 ##	0.005	0.007	0.01	0.005	0.	0.003	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	11	0.6	0.703	1.199	0.22	0.101	0.318	0.24	0.47	0.99	1.179
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	11	0.3	0.3	0.5	0.05	0.026	0.16	0.05	0.2	0.4	0.5
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-02/23/76	11	200.	1018.182	3900.	50.	2144636.364	1464.458	50.	50.	1200.	3880.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-02/23/76	11	2.301	2.476	3.591	1.699	0.595	0.772	1.699	1.699	3.079	3.589
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	299.066							
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	11 ##	0.05	0.059	0.1	0.05	0.	0.02	0.05	0.05	0.05	0.1
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	11 ##	0.05	0.046	0.05	0.03	0.	0.008	0.03	0.05	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	10	18.6	16.62	27.8	-1.1	95.724	9.784	6.81	1.125	25.15	27.58
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	10	7.8	8.76	11.6	6.2	4.958	2.227	6.22	7.	11.3	11.6
00400	PH (STANDARD UNITS)	07/01/68-02/23/76	10	6.9	7.19	8.7	6.5	0.441	0.664	6.52	6.775	7.575	8.61
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	10	6.889	6.924	8.7	6.5	0.52	0.721	6.52	6.775	7.575	8.61

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	10	0.129	0.119	0.316	0.002	0.01	0.098	0.003	0.028	0.169	0.305
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	10 ##	0.05	0.065	0.1	0.05	0.001	0.024	0.05	0.05	0.1	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	10 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	10	0.525	0.835	4.	0.03	1.325	1.151	0.032	0.275	0.85	3.7
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	10	0.3	0.265	0.4	0.05	0.016	0.125	0.055	0.175	0.4	0.4
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	9 ##	50.	77.778	200.	50.	2569.444	50.69	50.	50.	100.	200.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	9 ##	1.699	1.833	2.301	1.699	0.048	0.219	1.699	1.699	2.	2.301
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	68.04								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	10 ##	0.05	0.065	0.2	0.05	0.002	0.047	0.05	0.05	0.05	0.185
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	10 ##	0.05	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	6	11.95	13.617	26.1	3.9	69.798	8.354	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	6	10.	9.9	12.8	7.4	3.856	1.964	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/23/76	6	7.2	7.2	7.5	6.8	0.076	0.276	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	6	7.2	7.127	7.5	6.8	0.082	0.287	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	6	0.063	0.075	0.158	0.032	0.002	0.048	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	5 ##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	5 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	5	0.6	0.594	0.9	0.26	0.07	0.265	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	5	0.2	0.22	0.4	0.1	0.017	0.13	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	6 ##	50.	116.667	300.	50.	11666.667	108.012	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	6 ##	1.699	1.929	2.477	1.699	0.13	0.361	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	84.919								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	5 ##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	5 ##	0.03	0.033	0.05	0.005	0.	0.019	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	1	11.1	11.1	11.1	11.1	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	1	10.8	10.8	10.8	10.8	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-02/23/76	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/18/70-02/23/76	1 ##	0.05	0.05	0.05	0.05	0.05	0.	0.	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/18/70-02/23/76	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/18/70-02/23/76	1	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	1	500.	500.	500.	500.	500.	0.	0.	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-02/23/76	1	2.699	2.699	2.699	2.699	2.699	0.	0.	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	500.								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	03/18/70-02/23/76	1 ##	0.05	0.05	0.05	0.05	0.05	0.	0.	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/18/70-02/23/76	1	0.01	0.01	0.01	0.01	0.01	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	24	25.	23.888	27.8	15.6	15.577	3.947	16.4	21.375	27.2	27.8
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	23	7.8	8.196	11.	6.4	1.995	1.412	6.64	7.1	9.	10.84
00400	PH (STANDARD UNITS)	07/01/68-02/23/76	24	7.15	7.275	8.7	6.5	0.377	0.614	6.6	6.825	7.5	8.6
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	24	7.147	7.015	8.7	6.5	0.447	0.669	6.6	6.825	7.5	8.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	24	0.071	0.097	0.316	0.002	0.008	0.089	0.003	0.032	0.15	0.258

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	25	6.7	7.18	15.	-1.1	16.323	4.04	3.9	4.15	10.	13.74
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	26	11.6	11.281	14.	5.2	2.767	1.663	9.71	10.575	12.45	12.86
00400	PH (STANDARD UNITS)	07/01/68-02/23/76	26	6.9	7.008	8.3	6.	0.208	0.456	6.64	6.775	7.325	7.59
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	26	6.9	6.81	8.3	6.	0.248	0.498	6.64	6.775	7.325	7.59
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	26	0.126	0.155	1.	0.005	0.035	0.187	0.027	0.048	0.169	0.235

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0036

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-02/23/76	18	15.85	16.467	27.8	7.8	30.933	5.562	9.78	11.1	20.725	25.82
00300	OXYGEN, DISSOLVED MG/L	07/01/68-02/23/76	19	9.	8.716	11.	4.	3.17	1.781	6.2	7.6	10.	11.
00400	PH (STANDARD UNITS)	07/01/68-02/23/76	18	7.2	7.083	7.5	6.5	0.119	0.345	6.5	6.775	7.35	7.5
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-02/23/76	18	7.2	6.951	7.5	6.5	0.138	0.371	6.5	6.775	7.35	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-02/23/76	18	0.063	0.112	0.316	0.032	0.009	0.093	0.032	0.045	0.169	0.316

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0037

NPS Station ID: FRSP0037	LAT/LON: 38.288060/ -77.487504	Agency: 21VASWCB	Date Created: 05/18/98
Location: JEFFERSON DAVIS BLVD.		FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY	
Station Type: /TYP/A/AMBNT/STREAM		STORET Station ID(s): 3-HAL002.61	
RMI-Indexes:		Within Park Boundary: No	
RMI-Miles:			
HUC: 02080104	Depth of Water: 0	Aquifer:	
Major Basin: 02-NORTH ATLANTIC	Elevation: 0	Water Body Id:	
Minor Basin: 3-RAPPAHANOCK	RF1 Mile Point: 0.000	ECO Region:	
RF1 Index: 02080104	RF3 Mile Point: 0.00	Distance from RF1: 0.00	On/Off RF1:
RF3 Index:		Distance from RF3: 0.00	On/Off RF3:
Description:			
VIRGINIA STATE WATER CONTROL BOARD	AMBIENT MONITORING	BASIN: 3- RAPPAHANOCK	
RIVER: HAZEL RUN	SECTION: 04	TOPO MAP #: 182C TOPO MAP NAME: FREDERICKSBURG	REGION: 3 NORTHERN

Parameter Inventory for Station: FRSP0037

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0039

NPS Station ID: FRSP0039
 Location: RT. 670
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
 RIVER: TRIB. ENGLAND RUN SECTION: 04B TOPO MAP #: 182C TOPO MAP NAME: FREDERICKSBURG

LAT/LON: 38.341670/ -77.500005

Agency: 21VASWCB
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): 3-XBU000.89
 Within Park Boundary: No

Date Created: 05/18/98

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0039

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0040

NPS Station ID: FRSP0040
 Location: RT. 1 BRIDGE
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104043
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VIRGINIA
 RIVER: MASSAPONAX CREEK SECTION: 04 TOPO MAP #: 0037 TOPO MAP NAME: SPOTSYLVANIA, VA

LAT/LON: 38.236115/ -77.502781

Agency: 21VASWCB
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): 3-MAP007.97 /VA3-04-X0017/VA3-3X0017
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 7.660
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0040

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	87	15.	14.444	27.8	0.8	57.488	7.582	3.9	7.8	21.1	25.
00070 TURBIDITY, (JACKSON CANDLE UNITS)	04/25/71-07/15/71	4	11.	11.5	17.	7.	27.667	5.26	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	87	8.8	9.101	14.	5.2	4.456	2.111	6.36	7.6	11.	12.08
00310 BOD, 5 DAY, 20 DEG C MG/L	10/08/68-03/18/71	12	2.	2.042	3.1	0.9	0.492	0.701	0.96	1.55	2.725	3.04
00400 PH (STANDARD UNITS)	07/01/68-06/04/79	87	6.5	6.535	7.5	5.5	0.141	0.375	6.	6.3	6.8	7.
00400 CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	87	6.5	6.367	7.5	5.5	0.169	0.412	6.	6.3	6.8	7.
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	87	0.316	0.43	3.162	0.032	0.257	0.507	0.1	0.158	0.501	1.
00403 PH, LAB, STANDARD UNITS SU	10/08/68-09/02/70	9	6.4	6.333	6.9	5.9	0.108	0.328	5.9	6.05	6.55	6.9
00403 CONVERTED PH, LAB, STANDARD UNITS	10/08/68-09/02/70	9	6.4	6.234	6.9	5.9	0.119	0.344	5.9	6.05	6.55	6.9
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/08/68-09/02/70	9	0.398	0.584	1.259	0.126	0.152	0.39	0.126	0.284	0.897	1.259
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	10/08/68-05/07/70	8	7.5	7.75	11.	6.	2.786	1.669	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	10/08/68-05/07/70	8	105.	111.875	191.	66.	1368.982	37.	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	10/08/68-05/07/70	8	39.	35.75	60.	11.	279.357	16.714	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	10/08/68-05/07/70	8	66.5	76.125	150.	44.	1237.839	35.183	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/08/68-05/07/70	8	18.	24.375	70.	5.	522.839	22.866	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/08/68-05/07/70	8	4.5	6.5	17.	1.	39.429	6.279	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	10/08/68-05/07/70	8	11.5	17.875	55.	3.	351.554	18.75	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-06/04/79	52 ##	0.05	0.086	0.46	0.	0.007	0.085	0.05	0.05	0.1	0.2
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-06/04/79	52 ##	0.005	0.006	0.02	0.005	0.	0.003	0.005	0.005	0.005	0.01
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-08/26/76	37	0.13	0.142	0.41	0.01	0.008	0.092	0.037	0.09	0.165	0.268
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-06/04/79	52	0.4	0.453	0.95	0.05	0.055	0.235	0.2	0.3	0.6	0.87
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/27/76-06/04/79	15	0.08	0.102	0.28	0.025	0.006	0.079	0.025	0.025	0.15	0.256
00935 POTASSIUM, DISSOLVED (MG/L AS K)	04/10/79-09/10/79	1	1.2	1.2	1.2	1.2	0.	0.	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	09/21/72-09/21/72	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	03/18/71-04/10/79	12 ##	2.	1.75	2.5	0.5	0.659	0.812	0.65	1.	2.5	2.5
01027 CADMIUM, TOTAL (UG/L AS CD)	11/25/70-04/10/79	14 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034 CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-04/10/79	22 ##	5.	5.909	10.	5.	3.896	1.974	5.	5.	5.	10.
01042 COPPER, TOTAL (UG/L AS CU)	03/18/70-04/10/79	22 ##	5.	10.	40.	5.	104.762	10.235	5.	5.	10.	30.
01045 IRON, TOTAL (UG/L AS FE)	11/25/70-04/10/79	5	1000.	959.6	1199.	600.	67760.3	260.308	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	11/25/70-04/10/79	18 ##	5.	5.694	20.	1.5	16.21	4.026	1.95	4.5	5.25	11.
01055 MANGANESE, TOTAL (UG/L AS MN)	03/18/70-04/10/79	5	149.9	165.92	279.9	120.	4227.702	65.021	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	01/22/73-04/10/79	9 ##	50.	45.	50.	5.	225.	15.	5.	50.	50.	50.
01092 ZINC, TOTAL (UG/L AS ZN)	03/18/70-04/10/79	21	10.	19.048	90.	5.	449.048	21.191	5.	5.	25.	48.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/01/68-03/31/77	17	430.	4614.471	23000.	15.	60409711.64	7772.368	15.	140.	7800.	23000.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 3150	07/01/68-03/31/77	17	2.633	2.818	4.362	1.176	1.097	1.047	1.176	2.03	3.852	4.362
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506				GEOMETRIC MEAN =	657.621							
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	68 ##	50.	376.471	8000.	0.	1541676.91	1241.643	50.	50.	100.	440.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	68 ##	1.699	1.951	3.903	0.	0.322	0.568	1.699	1.699	2.	2.632
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	89.288							
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	04/25/71-04/25/71	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	12/14/71-12/14/71	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	08/09/75-08/09/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/04/79	52 ##	0.05	0.069	0.4	0.025	0.003	0.058	0.05	0.05	0.05	0.1
70507	PHOSPHORUS, IN TOTAL, ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/04/79	52 ##	0.03	0.041	0.35	0.005	0.003	0.051	0.005	0.01	0.05	0.085
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-04/10/79	21 ##	0.25	0.252	0.5	0.15	0.004	0.064	0.17	0.25	0.25	0.25

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0040

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	4	0	0.00	1	0	0.00	3	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	87	0	0.00	28	0	0.00	24	0	0.00		
00400	PH	Fresh Chronic	9.	87	0	0.00	28	0	0.00	24	0	0.00		
00403	PH, LAB	Other-Lo Lim.	6.5	87	53	0.61	28	22	0.79	35	17	0.49	24	14
		Fresh Chronic	9.	9	0	0.00	3	0	0.00	3	0	0.00	3	0
		Other-Lo Lim.	6.5	9	7	0.78	3	2	0.67	3	3	1.00	3	2
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	52	0	0.00	12	0	0.00	24	0	0.00	16	0
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	37	0	0.00	10	0	0.00	16	0	0.00	11	0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	15	0	0.00	2	0	0.00	8	0	0.00	5	0
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00					
01002	ARSENIC, TOTAL	Fresh Acute	360.	12	0	0.00	1	0	0.00	6	0	0.00	5	0
		Drinking Water	50.	12	0	0.00	1	0	0.00	6	0	0.00	5	0
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00								
		Drinking Water	5.	0 &	0	0.00								
01034	CHROMIUM, TOTAL	Drinking Water	100.	22	0	0.00	3	0	0.00	10	0	0.00	9	0
01042	COPPER, TOTAL	Fresh Acute	18.	22	4	0.18	3	0	0.00	10	2	0.20	9	2
01051	LEAD, TOTAL	Drinking Water	1300.	22	0	0.00	3	0	0.00	10	0	0.00	9	0
		Fresh Acute	82.	18	0	0.00	3	0	0.00	9	0	0.00	6	0
		Drinking Water	15.	18	1	0.06	3	0	0.00	9	1	0.11	6	0
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	9	0	0.00				6	0	0.00	3	0
		Drinking Water	100.	9	0	0.00				6	0	0.00	3	0
01092	ZINC, TOTAL	Fresh Acute	120.	21	0	0.00	3	0	0.00	9	0	0.00	9	0
		Drinking Water	5000.	21	0	0.00	3	0	0.00	9	0	0.00	9	0
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	17	6	0.35	9	3	0.33	4	2	0.50	4	1
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	68	15	0.22	18	5	0.28	30	5	0.17	20	5
39365	DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00					1	0	0.00	
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00				1	0	0.00		
		Drinking Water	2.	1	0	0.00				1	0	0.00		
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00	1	0	0.00	10	0	0.00	7	0
71900	MERCURY, TOTAL	Fresh Acute	2.4	21	0	0.00	4	0	0.00	10	0	0.00	7	0
		Drinking Water	2.	21	0	0.00	4	0	0.00	10	0	0.00	7	0

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1968 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	4	22.8	21.275	27.8	11.7	51.529	7.178	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	4	7.5	7.75	9.	7.	0.917	0.957	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	4	6.25	6.375	7.	6.	0.229	0.479	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	4	6.182	6.219	7.	6.	0.262	0.512	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	4	0.658	0.604	1.	0.1	0.217	0.466	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	3	17.2	13.867	22.2	2.2	108.333	10.408	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	3	7.6	9.033	12.6	6.9	9.663	3.109	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	3	6.2	6.233	6.3	6.2	0.003	0.058	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	3	6.2	6.231	6.3	6.2	0.003	0.058	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	3	0.631	0.588	0.631	0.501	0.006	0.075	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	11	10.	12.073	23.3	2.8	63.598	7.975	3.02	3.9	21.1	22.98
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	11	7.2	7.345	10.6	5.4	2.961	1.721	5.4	6.	8.2	10.48
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	11	6.2	6.173	6.5	5.5	0.084	0.29	5.6	6.	6.4	6.5
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	11	6.2	6.066	6.5	5.5	0.097	0.311	5.6	6.	6.4	6.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	11	0.631	0.86	3.162	0.316	0.653	0.808	0.316	0.398	1.	2.73
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	2 ##	25.	25.	50.	0.	1250.	35.355	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	2 ##	0.849	0.849	1.699	0.	1.443	1.201	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	7.071								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	11	13.3	13.436	23.3	3.9	47.243	6.873	4.24	7.8	21.1	22.98
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	11	10.	9.627	12.5	6.	4.628	2.151	6.32	7.8	12.	12.48
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	11	6.7	6.618	7.5	6.	0.164	0.405	6.04	6.3	6.7	7.4
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	11	6.7	6.474	7.5	6.	0.187	0.432	6.04	6.3	6.7	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	11	0.2	0.336	1.	0.032	0.078	0.279	0.045	0.2	0.501	0.926
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	11 ##	50.	790.909	8000.	50.	5718909.091	2391.424	50.	50.	100.	6440.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	11 ##	1.699	1.981	3.903	1.699	0.443	0.666	1.699	1.699	2.	3.583
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	95.817								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1972 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	12	12.2	13.092	25.	2.2	48.234	6.945	2.86	8.45	18.625	23.68
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	12	9.8	10.025	14.	7.4	5.266	2.295	7.43	7.7	11.75	13.82
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	12	6.5	6.6	7.	6.4	0.038	0.195	6.4	6.425	6.775	6.94
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	12	6.5	6.564	7.	6.4	0.04	0.199	6.4	6.425	6.775	6.94
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	12	0.316	0.273	0.398	0.1	0.011	0.105	0.118	0.169	0.378	0.398
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	11 ##	50.	709.091	6000.	50.	3133409.091	1770.144	50.	50.	400.	4960.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	11 ##	1.699	2.162	3.778	1.699	0.469	0.685	1.699	1.699	2.602	3.603
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	145.094								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	12	16.15	16.075	26.7	3.9	65.142	8.071	4.56	8.175	24.75	26.7
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	12	9.	9.367	12.4	6.4	2.908	1.705	6.82	8.25	10.9	12.1
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	12	6.5	6.567	7.	6.2	0.059	0.242	6.26	6.425	6.725	7.
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	12	6.5	6.513	7.	6.2	0.062	0.249	6.26	6.425	6.725	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	12	0.316	0.307	0.631	0.1	0.021	0.145	0.1	0.198	0.378	0.561
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	12 ##	50.	300.	2800.	50.	621818.182	788.554	50.	50.	100.	2020.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	12 ##	1.699	1.945	3.447	1.699	0.261	0.511	1.699	1.699	2.	3.103
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	88.104								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	10	15.55	15.84	23.9	6.7	41.903	6.473	7.03	10.	22.1	23.84
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	10	8.95	9.32	12.4	7.3	3.235	1.799	7.31	7.7	11.05	12.28
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	10	6.5	6.63	7.1	6.2	0.08	0.283	6.22	6.475	6.85	7.09
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	10	6.5	6.554	7.1	6.2	0.086	0.294	6.22	6.475	6.85	7.09
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	10	0.316	0.279	0.631	0.079	0.027	0.165	0.081	0.144	0.337	0.608
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	9 ##	50.	227.778	1000.	50.	100694.444	317.324	50.	50.	350.	1000.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	9 ##	1.699	2.064	3.	1.699	0.251	0.501	1.699	1.699	2.54	3.
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	115.819								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	6	13.6	13.333	21.1	5.	43.487	6.594	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	6	9.95	9.983	11.6	8.3	2.222	1.491	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	6	7.	7.067	7.5	6.8	0.079	0.28	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	6	7.	7.001	7.5	6.8	0.084	0.29	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	6	0.1	0.1	0.158	0.032	0.003	0.053	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	6 ##	50.	75.	200.	50.	3750.	61.237	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	6 ##	1.699	1.799	2.301	1.699	0.06	0.246	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	62.996								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	5	11.1	13.44	25.	2.8	74.613	8.638	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	5	10.8	9.56	12.	6.	6.168	2.484	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	5	6.7	6.78	7.1	6.5	0.067	0.259	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	5	6.7	6.723	7.1	6.5	0.071	0.267	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	5	0.2	0.189	0.316	0.079	0.01	0.1	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	5	100.	120.	300.	50.	10750.	103.682	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	5	2.	1.975	2.477	1.699	0.101	0.318	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	94.409								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	5	18.5	16.66	26.	0.8	106.278	10.309	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	5	7.6	7.84	11.4	5.2	5.828	2.414	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	5	6.5	6.294	7.	5.5	0.389	0.624	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	5	6.5	5.968	7.	5.5	0.522	0.722	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	5	0.316	1.075	3.162	0.1	1.721	1.312	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	4##	75.	100.	200.	50.	5000.	70.711	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	4##	1.849	1.925	2.301	1.699	0.083	0.288	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	84.09								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	6	10.25	13.233	25.	4.	100.907	10.045	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	6	8.8	9.217	13.	6.5	6.726	2.593	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	6	6.4	6.45	6.7	6.3	0.027	0.164	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	6	6.4	6.426	6.7	6.3	0.028	0.166	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	6	0.398	0.375	0.501	0.2	0.016	0.126	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	6##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	6##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	50.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	2	15.5	15.5	18.	13.	12.5	3.536	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	2	9.45	9.45	10.8	8.1	3.645	1.909	**	**	**	**
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	2	6.45	6.45	6.9	6.	0.405	0.636	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	2	6.25	6.25	6.9	6.	0.485	0.697	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	2	0.563	0.563	1.	0.126	0.382	0.618	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	2##	825.	825.	1600.	50.	1201250.	1096.016	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	2##	2.452	2.452	3.204	1.699	1.133	1.064	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	282.843								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	28	21.7	21.554	27.8	11.7	14.923	3.863	14.94	20.15	25.	25.71
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	28	7.55	7.461	9.3	5.2	1.121	1.059	5.94	6.825	8.15	9.
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	28	6.4	6.389	7.1	5.5	0.128	0.358	6.	6.05	6.5	7.
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	28	6.4	6.242	7.1	5.5	0.151	0.389	6.	6.05	6.5	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	28	0.398	0.573	3.162	0.079	0.353	0.594	0.1	0.316	0.908	1.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-06/04/79	12 ##	0.05	0.104	0.4	0.05	0.011	0.105	0.05	0.05	0.138	0.34
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-06/04/79	12 ##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.005	0.017
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-08/26/76	10	0.1	0.101	0.19	0.025	0.003	0.052	0.027	0.055	0.14	0.185
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-06/04/79	12	0.5	0.558	0.9	0.1	0.079	0.281	0.13	0.325	0.875	0.9
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-04/10/79	3 ##	5.	6.667	10.	5.	8.333	2.887	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-04/10/79	3 ##	5.	5.	5.	0.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-04/10/79	3 ##	5.	10.	20.	5.	75.	8.66	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-06/04/79	18 ##	50.	869.444	8000.	50.	5101805.556	2258.718	50.	50.	225.	6200.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-06/04/79	18 ##	1.699	2.097	3.903	1.699	0.488	0.698	1.699	1.699	2.345	3.791
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	125.092								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/04/79	12 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/04/79	12 ##	0.05	0.039	0.1	0.005	0.001	0.028	0.005	0.009	0.05	0.085

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	35	6.7	7.509	18.5	0.8	18.91	4.349	2.56	3.9	10.	14.22
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	35	11.	10.626	14.	5.4	4.005	2.001	7.72	9.6	12.	12.76
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	35	6.6	6.616	7.5	5.5	0.147	0.384	6.2	6.5	7.	7.
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	35	6.6	6.417	7.5	5.5	0.188	0.434	6.2	6.5	7.	7.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	35	0.251	0.383	3.162	0.032	0.31	0.557	0.1	0.316	0.631	
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-06/04/79	24 ##	0.05	0.057	0.2	0.	0.001	0.037	0.02	0.05	0.05	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-06/04/79	24 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-08/26/76	16	0.125	0.138	0.41	0.01	0.009	0.094	0.021	0.1	0.158	0.291
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-06/04/79	24	0.3	0.356	0.95	0.05	0.041	0.201	0.075	0.3	0.475	0.65
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-04/10/79	10 ##	5.	5.5	10.	5.	2.5	1.581	5.	5.	5.	9.5
01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-04/10/79	10 ##	5.	11.	40.	5.	165.556	12.867	5.	5.	11.25	39.
01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-04/10/79	9	20.	29.444	90.	5.	752.778	27.437	5.	10.	45.	90.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-06/04/79	30 ##	50.	101.667	800.	0.	21462.644	146.501	50.	50.	100.	200.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/25/70-06/04/79	30 ##	1.699	1.799	2.903	0.	0.207	0.455	1.699	1.699	2.	2.301
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	62.91								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/04/79	24 ##	0.05	0.09	0.4	0.05	0.006	0.079	0.05	0.05	0.1	0.2
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/04/79	24	0.02	0.043	0.35	0.005	0.005	0.071	0.005	0.01	0.05	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/01/68-06/04/79	24	16.95	16.263	26.7	6.7	31.304	5.595	8.6	11.525	18.9	25.5
00300	OXYGEN, DISSOLVED MG/L	07/01/68-06/04/79	24	8.65	8.792	11.6	6.2	2.511	1.585	6.35	7.65	10.	11.2
00400	PH (STANDARD UNITS)	07/01/68-06/04/79	24	6.5	6.588	7.5	6.	0.119	0.346	6.2	6.325	6.775	7.15
00400	CONVERTED PH (STANDARD UNITS)	07/01/68-06/04/79	24	6.5	6.481	7.5	6.	0.131	0.362	6.2	6.325	6.775	7.15
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/01/68-06/04/79	24	0.316	0.331	1.	0.032	0.048	0.219	0.075	0.169	0.475	0.631
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-06/04/79	16	0.08	0.117	0.46	0.05	0.012	0.108	0.05	0.05	0.175	0.278
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-06/04/79	16 ##	0.005	0.006	0.02	0.005	0.	0.004	0.005	0.005	0.005	0.013
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-08/26/76	11	0.14	0.185	0.4	0.07	0.011	0.104	0.078	0.11	0.25	0.388
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-06/04/79	16	0.5	0.519	0.9	0.2	0.039	0.197	0.27	0.4	0.7	0.83

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0040

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/18/70-04/10/79	9 ##	5.	6.111	10.	5.	4.861	2.205	5.	5.	7.5	10.
01042	COPPER, TOTAL (UG/L AS CU)	03/18/70-04/10/79	9 ##	5.	10.556	30.	5.	77.778	8.819	5.	5.	15.	30.
01092	ZINC, TOTAL (UG/L AS ZN)	03/18/70-04/10/79	9 ##	5.	11.667	40.	5.	137.5	11.726	5.	5.	15.	40.
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	20 ##	50.	345.	2800.	50.	488394.737	698.852	50.	50.	175.	1540.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/25/70-06/04/79	20 ##	1.699	2.047	3.447	1.699	0.318	0.564	1.699	1.699	2.226	3.184
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	111.455								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/04/79	16 ##	0.05	0.053	0.1	0.025	0.	0.02	0.025	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-06/04/79	16 ##	0.05	0.04	0.1	0.005	0.001	0.023	0.009	0.023	0.05	0.065

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0041

NPS Station ID: FRSP0041
 Location: RT. 670
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
 RIVER: TRIB TO TRIB ENGLAND RUN SECTION: 04B TOPO MAP #: 183D TOPO MAP NAME: SALEM CHURCH

LAT/LON: 38.340281/ -77.503616

Agency: 21VASWCB
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): 3-XDL000.30
 Within Park Boundary: No

Date Created: 05/18/98

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0041

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0042

NPS Station ID: FRSP0042
 Location: ROUTE 620 (SOTSYLVANIA COUNTY)
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
 RIVER: LONG BRANCH SECTION: 04 TOPO MAP #: 0036 TOPO MAP NAME: SALEM CHURCH, VA

LAT/LON: 38.267226/ -77.505282

Agency: 21VASWCB
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): 3-LON000.86
 Within Park Boundary: No

Date Created: 05/01/93

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0042

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	06/08/77-06/08/77	1	7.8	7.8	7.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/08/77-06/08/77	1	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	06/08/77-06/08/77	1	15.	15.	15.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/08/77-06/08/77	1	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/08/77-06/08/77	1	6.2	6.2	6.2	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/77-06/08/77	1	0.631	0.631	0.631	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/77-06/08/77	1	14.	14.	14.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/08/77-06/08/77	1	57.	57.	57.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/08/77-06/08/77	1	11.	11.	11.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/08/77-06/08/77	1	46.	46.	46.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/08/77-06/08/77	1	4.	4.	4.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/08/77-06/08/77	1	2.	2.	2.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/08/77-06/08/77	1	2.	2.	2.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/08/77-06/08/77	1##	0.05	0.05	0.05	0.05	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/77-06/08/77	1	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/77-06/08/77	1	0.12	0.12	0.12	0.12	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/08/77-06/08/77	1	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/77-06/08/77	1##	0.05	0.05	0.05	0.05	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/08/77-06/08/77	1##	0.005	0.005	0.005	0.005	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/08/77-06/08/77	1	5.	5.	5.	5.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/08/77-06/08/77	1##	50.	50.	50.	50.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/08/77-06/08/77	1##	1.699	1.699	1.699	1.699	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	50.			0.				

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0042

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed Prop.	Obs	Exceed Prop.	Obs	Exceed Prop.	Obs	Exceed Prop.	Obs
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00					1	0	0.00		
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00					1	0	0.00		
		Other-Lo Lim.	6.5	1	1	1.00					1	1	1.00		
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00					1	0	0.00		
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00					1	0	0.00		
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00					1	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0043

NPS Station ID: FRSP0043
 Location: ROUTE 670 (STAFFORD COUNTY)
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
 RIVER: ENGLAND RUN SECTION: 04B TOPO MAP #: 0028 TOPO MAP NAME: SALEM CHURCH, VA

LAT/LON: 38.338059/ -77.511116

Agency: 21VASWCB
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): 3-ENG001.10
 Within Park Boundary: No

Date Created: 05/01/93

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: FRSP0043

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/06/84-11/23/98	26	12.3	13.227	24.3	0.6	55.688	7.462	3.71	6.225	21.025	23.78
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/21/94-11/23/98	21	16.	16.948	36.	3.3	88.328	9.398	3.5	11.6	22.95	33.6
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/24/94-11/23/98	25	97.	101.	166.	66.	447.	21.142	76.8	87.	109.	129.6
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	04/21/94-11/23/98	24	96.	98.375	146.	66.	373.636	19.33	73.5	85.25	108.75	129.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/24/94-11/23/98	25	8.6	9.02	13.3	5.5	4.654	2.157	5.96	7.2	10.8	12.14
00300 OXYGEN, DISSOLVED MG/L	03/06/84-03/06/84	1	11.9	11.9	11.9	11.9	0.	0.	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	03/06/84-11/23/98	26	1.15	1.523	6.5	0.5	1.345	1.16	0.5	1.	1.7	2.3
00340 COD, 25N K2CR2O7 MG/L	03/06/84-11/23/98	24	13.	13.125	26.	2.5	40.788	6.387	3.75	9.	16.	24.5
00400 PH (STANDARD UNITS)	03/06/84-11/23/98	26	7.3	7.262	8.	6.5	0.127	0.357	6.77	7.	7.5	7.73
00400 CONVERTED PH (STANDARD UNITS)	03/06/84-11/23/98	26	7.3	7.121	8.	6.5	0.148	0.384	6.77	7.	7.5	7.73
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/06/84-11/23/98	26	0.05	0.076	0.316	0.01	0.005	0.068	0.019	0.032	0.1	0.171
00403 PH, LAB, STANDARD UNITS SU	03/06/84-11/23/98	25	6.7	6.688	7.1	6.	0.058	0.24	6.4	6.6	6.8	7.04
00403 CONVERTED PH, LAB, STANDARD UNITS	03/06/84-11/23/98	25	6.7	6.615	7.1	6.	0.063	0.252	6.4	6.6	6.8	7.04
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/06/84-11/23/98	25	0.2	0.243	1.	0.079	0.033	0.182	0.092	0.158	0.251	0.398
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	03/06/84-11/23/98	25	28.	28.4	46.	12.	80.167	8.954	14.6	22.5	36.	40.
00500 RESIDUE, TOTAL (MG/L)	03/06/84-11/23/98	26	86.	90.846	168.	60.	547.895	23.407	70.5	75.75	95.25	127.9
00505 RESIDUE, TOTAL VOLATILE (MG/L)	03/06/84-11/23/98	25	26.	27.64	67.	7.	134.907	11.615	17.2	21.	30.5	42.8
00510 RESIDUE, TOTAL FIXED (MG/L)	03/06/84-11/23/98	25	63.	64.16	134.	43.	332.807	18.243	47.	52.5	67.	82.4
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/06/84-11/23/98	25	9.	11.92	73.	1.5	211.077	14.528	1.5	3.	14.5	25.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/06/84-11/23/98	25##	1.5	2.76	11.	1.5	4.503	2.122	1.5	1.5	3.	5.4
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	03/06/84-11/23/98	25	6.	9.28	62.	1.5	155.502	12.47	1.5	1.5	11.	19.8
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/06/84-11/23/98	26##	0.02	0.049	0.3	0.02	0.004	0.059	0.02	0.02	0.06	0.105
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	03/06/84-11/23/98	26##	0.005	0.012	0.07	0.005	0.	0.015	0.005	0.005	0.01	0.033
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	03/06/84-11/23/98	26	0.065	0.135	1.23	0.02	0.057	0.239	0.02	0.02	0.145	0.298
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/06/84-11/23/98	26	0.35	0.373	0.8	0.1	0.04	0.199	0.1	0.2	0.525	0.63
00665 PHOSPHORUS, TOTAL (MG/L AS P)	03/06/84-11/23/98	26	0.1	0.087	0.2	0.05	0.002	0.041	0.05	0.05	0.1	0.13
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	03/06/84-03/06/84	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	03/06/84-07/01/96	16	4.6	4.844	9.5	1.9	4.197	2.049	2.46	3.1	6.4	8.24
00900 HARDNESS, TOTAL (MG/L AS CACO3)	03/06/84-11/23/98	24	31.	31.333	49.	18.	66.058	8.128	19.5	24.5	36.75	43.
00940 CHLORIDE, TOTAL IN WATER MG/L	03/24/94-11/23/98	24	6.	6.021	13.	2.5	5.641	2.375	2.5	5.	7.	9.
00945 SULFATE, TOTAL (MG/L AS SO4)	03/24/94-11/23/98	24	6.	6.583	28.	2.	29.428	5.425	2.25	2.625	8.	11.5
01002 ARSENIC, TOTAL (UG/L AS AS)	03/06/84-07/21/94	2##	1.5	1.5	2.5	0.5	2.	1.414	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/06/84-06/25/97	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01027	CADMUM, TOTAL (UG/L AS CD)	03/06/84-07/21/94	2 ##	1.	1.	1.5	0.5	0.5	0.707	**	**	**	**
01028	CADMUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/06/84-06/25/97	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/06/84-06/25/97	1	11.7	11.7	11.7	11.7	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/06/84-07/21/94	2 ##	3.	3.	5.	1.	8.	2.828	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/06/84-07/21/94	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/06/84-06/25/97	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/21/94-07/21/94	1	3950.	3950.	3950.	3950.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	03/06/84-07/21/94	2 ##	1.75	1.75	2.5	1.	1.125	1.061	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/06/84-06/25/97	1	5.6	5.6	5.6	5.6	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/21/94-07/21/94	1	757.	757.	757.	757.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/06/84-07/21/94	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/06/84-06/25/97	1	3.8	3.8	3.8	3.8	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/06/84-07/21/94	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/06/84-06/25/97	1	17.5	17.5	17.5	17.5	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/21/94-07/21/94	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/24/94-11/23/98	25	100.	588.	8000.	50.	2540683.333	1593.952	50.	50.	450.	1300.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	03/24/94-11/23/98	25	2.	2.179	3.903	1.699	0.386	0.621	1.699	1.699	2.651	3.106
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		150.977							
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	07/21/94-07/21/94	1	34.	34.	34.	34.	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	03/24/94-11/23/98	25	0.04	0.033	0.07	0.005	0.	0.019	0.005	0.01	0.05	0.054
71900	MERCURY, TOTAL (UG/L AS HG)	03/06/84-07/21/94	2 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/06/84-06/25/97	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	03/24/94-06/23/94	3	12.	22.733	50.	6.2	566.013	23.791	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0043

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	21	0	0.00	8	0	0.00	9	0	0.00	4	0	0.00			
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	25	0	0.00	8	0	0.00	10	0	0.00	7	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00400	PH	Fresh Chronic	9.	26	0	0.00	8	0	0.00	11	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	26	1	0.04	8	0	0.00	11	1	0.09	7	0	0.00			
00403	PH, LAB	Fresh Chronic	9.	25	0	0.00	8	0	0.00	10	0	0.00	7	0	0.00			
		Other-Lo Lim.	6.5	25	5	0.20	8	0	0.00	10	3	0.30	7	2	0.29			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	26	0	0.00	8	0	0.00	11	0	0.00	7	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	26	0	0.00	8	0	0.00	11	0	0.00	7	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	24	0	0.00	8	0	0.00	9	0	0.00	7	0	0.00			
		Drinking Water	250.	24	0	0.00	8	0	0.00	9	0	0.00	7	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	24	0	0.00	8	0	0.00	9	0	0.00	7	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	50.	2	0	0.00	1	0	0.00	1	0	0.00						
01027	CADMUM, TOTAL	Fresh Acute	3.9	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5.	2	0	0.00	1	0	0.00	1	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	1300.	2	0	0.00	1	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	15.	2	0	0.00	1	0	0.00	1	0	0.00						
01067	NICKEL, TOTAL	Fresh Acute	1400.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	100.	2	0	0.00	1	0	0.00	1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	5000.	2	0	0.00	1	0	0.00	1	0	0.00						
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00									
		Drinking Water	50.	1	0	0.00	1	0	0.00									
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	25	9	0.36	8	4	0.50	10	2	0.20	7	3	0.43			
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	0	0.00	1	0	0.00	1	0	0.00						
		Drinking Water	2.	2	0	0.00	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0043

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
			Obs	Standard		Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	3	1	0.33								3	1	0.33			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/06/84-11/23/98	8	21.85	21.138	24.3	13.9	12.497	3.535	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/06/84-11/23/98	8	1.3	1.25	2.	0.5	0.334	0.578	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	03/06/84-11/23/98	7	16.	14.5	23.	2.5	46.917	6.85	**	**	**	**
00400	PH (STANDARD UNITS)	03/06/84-11/23/98	8	7.2	7.163	7.5	6.7	0.094	0.307	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/06/84-11/23/98	8	7.189	7.068	7.5	6.7	0.104	0.323	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/06/84-11/23/98	8	0.065	0.085	0.2	0.032	0.004	0.06	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/06/84-11/23/98	8	6.75	6.775	7.1	6.6	0.034	0.183	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/06/84-11/23/98	8	6.747	6.744	7.1	6.6	0.035	0.186	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/06/84-11/23/98	8	0.179	0.18	0.251	0.079	0.005	0.068	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/06/84-11/23/98	8	37.	35.75	46.	24.	46.5	6.819	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/06/84-11/23/98	8	95.5	101.75	144.	87.	343.929	18.545	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/06/84-11/23/98	8	28.	31.25	67.	19.	224.786	14.993	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	03/06/84-11/23/98	8	67.	70.5	82.	63.	62.857	7.928	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/06/84-11/23/98	8	8.5	16.813	73.	1.5	555.138	23.561	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/06/84-11/23/98	8	2.5	3.813	11.	1.5	10.924	3.305	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/06/84-11/23/98	8	6.5	13.063	62.	1.5	413.674	20.339	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/06/84-11/23/98	8##	0.04	0.055	0.14	0.02	0.002	0.044	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/06/84-11/23/98	8##	0.008	0.014	0.04	0.005	0.	0.014	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/06/84-11/23/98	8##	0.02	0.051	0.14	0.02	0.002	0.048	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/06/84-11/23/98	8	0.55	0.475	0.8	0.1	0.062	0.249	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/06/84-11/23/98	8	0.1	0.113	0.2	0.05	0.003	0.058	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/06/84-11/23/98	7	37.	37.143	48.	26.	40.81	6.388	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/06/84-11/23/98	11	5.4	6.664	13.	0.6	14.849	3.853	1.18	3.8	10.4	12.66
00310	BOD, 5 DAY, 20 DEG C MG/L	03/06/84-11/23/98	11	1.	1.436	3.	0.5	0.495	0.703	0.6	1.	1.9	2.8
00340	COD, .25N K2CR2O7 MG/L	03/06/84-11/23/98	10	10.5	11.25	26.	2.5	44.292	6.655	2.75	6.5	15.	24.9
00400	PH (STANDARD UNITS)	03/06/84-11/23/98	11	7.4	7.309	7.8	6.5	0.157	0.396	6.56	7.	7.6	7.78
00400	CONVERTED PH (STANDARD UNITS)	03/06/84-11/23/98	11	7.4	7.118	7.8	6.5	0.197	0.444	6.56	7.	7.6	7.78
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/06/84-11/23/98	11	0.04	0.076	0.316	0.016	0.008	0.09	0.017	0.025	0.1	0.285
00403	PH, LAB, STANDARD UNITS SU	03/06/84-11/23/98	10	6.7	6.64	7.1	6.	0.092	0.303	6.04	6.4	6.8	7.07
00403	CONVERTED PH, LAB, STANDARD UNITS	03/06/84-11/23/98	10	6.7	6.53	7.1	6.	0.105	0.324	6.04	6.4	6.8	7.07
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/06/84-11/23/98	10	0.2	0.295	1.	0.079	0.072	0.268	0.087	0.158	0.398	0.94
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/06/84-11/23/98	10	26.5	25.5	40.	12.	83.611	9.144	12.3	15.	31.5	39.6
00500	RESIDUE, TOTAL (MG/L)	03/06/84-11/23/98	11	80.	78.182	93.	60.	92.764	9.631	61.4	72.	84.	92.4
00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/06/84-11/23/98	10	27.	26.5	50.	7.	122.5	11.068	8.2	20.5	30.75	48.3
00510	RESIDUE, TOTAL FIXED (MG/L)	03/06/84-11/23/98	10	52.5	52.8	64.	43.	43.956	6.63	43.1	49.25	56.75	63.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/06/84-11/23/98	10	6.	6.7	15.	1.5	21.622	4.65	1.6	2.875	10.75	14.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/06/84-11/23/98	10##	1.5	1.9	3.	1.5	0.433	0.658	1.5	1.5	2.625	3.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/06/84-11/23/98	10	4.	5.	12.	1.5	14.444	3.801	1.5	1.5	8.5	11.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/06/84-11/23/98	11##	0.02	0.029	0.06	0.02	0.	0.016	0.02	0.02	0.05	0.058
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/06/84-11/23/98	11##	0.005	0.009	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.026
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/06/84-11/23/98	11	0.08	0.125	0.34	0.02	0.012	0.011	0.02	0.02	0.2	0.328
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/06/84-11/23/98	11	0.3	0.291	0.6	0.1	0.025	0.158	0.1	0.2	0.4	0.58
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/06/84-11/23/98	11##	0.05	0.073	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/06/84-11/23/98	10	30.	27.9	35.	18.	38.1	6.173	18.2	22.25	32.75	35.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0043

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/06/84-11/23/98	7	13.4	14.5	23.1	8.8	28.403	5.329	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/06/84-11/23/98	7	1.3	1.971	6.5	1.	4.042	2.011	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	03/06/84-11/23/98	7	13.	14.429	26.	9.	32.952	5.74	**	**	**	**
00400	PH (STANDARD UNITS)	03/06/84-11/23/98	7	7.1	7.3	8.	7.	0.14	0.374	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	03/06/84-11/23/98	7	7.1	7.198	8.	7.	0.152	0.39	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/06/84-11/23/98	7	0.079	0.063	0.1	0.01	0.001	0.036	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/06/84-11/23/98	7	6.6	6.657	7.	6.4	0.04	0.199	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/06/84-11/23/98	7	6.6	6.621	7.	6.4	0.041	0.203	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/06/84-11/23/98	7	0.251	0.239	0.398	0.1	0.01	0.099	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/06/84-11/23/98	7	23.	24.143	31.	14.	33.81	5.815	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	03/06/84-11/23/98	7	85.	98.286	168.	72.	1209.905	34.784	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	03/06/84-11/23/98	7	23.	25.143	38.	16.	66.81	8.174	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	03/06/84-11/23/98	7	64.	73.143	134.	49.	829.143	28.795	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	03/06/84-11/23/98	7	13.	13.786	31.	1.5	82.821	9.101	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	03/06/84-11/23/98	7	3.	2.786	5.	1.5	1.905	1.38	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	03/06/84-11/23/98	7	10.	11.071	27.	1.5	64.369	8.023	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/06/84-11/23/98	7##	0.02	0.073	0.3	0.02	0.011	0.103	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/06/84-11/23/98	7	0.01	0.016	0.07	0.005	0.001	0.024	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	03/06/84-11/23/98	7	0.1	0.247	1.23	0.02	0.191	0.437	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/06/84-11/23/98	7	0.4	0.386	0.6	0.1	0.025	0.157	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	03/06/84-11/23/98	7	0.1	0.079	0.1	0.05	0.001	0.027	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	03/06/84-11/23/98	7	29.	30.429	49.	19.	95.286	9.761	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0044

NPS Station ID: FRSP0044
 Location: R AT BITZNER MEADOW
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: RAPPAHANNOCK RIVER
 Minor Basin: RAPPAHANNOCK
 RF1 Index: 02080104042
 RF3 Index:
 Description:
 PRE-IMPOUNDMENT STUDY IN RAPPAHAN-NOCK RIVER BASIN IN THE VICINITY OF THE PROPOSED SALEM CHURCH LAKE. REQUESTED BY ARMY CORPS OF ENGINEERS

LAT/LON: 38.323616/ -77.517226

Agency: 1113VABD
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): SC 1 /RAPPAHANNOCK/RIVERSC 1
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 10.180
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0044

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0045

NPS Station ID: FRSP0045

LAT/LON: 38.322226/ -77.518059

Location: RAPPAHANNOCK RIVER NEAR FREDERICKSBURG, VA

Station Type: /TYP/A/MBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02080104

Depth of Water: 0

Major Basin:

Minor Basin:

RF1 Index: 02080104

RF1 Mile Point: 0.000

RF3 Index:

RF3 Mile Point: 0.00

Description:

Agency: 112WRD

FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA

STORET Station ID(s): 01668000

Within Park Boundary: No

Date Created: / /

Elevation: 0

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	524	13.45	13.715	29.7	-1.	67.645	8.225	3.	6.	21.	25.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	285	16.	14.997	31.5	-4.	73.887	8.596	4.	8.	23.	26.
00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	320	760.	760.275	778.	668.	73.51	8.574	751.1	756.	765.	770.
00060	FLOW, STREAM, MEAN DAILY CFS	10/04/67-08/15/74	170	1290.	2017.924	22800.	98.	7217587.882	2686.557	362.3	648.	2410.	3948.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	348	1740.	3663.468	54100.	86.	39069640.083	6250.571	339.5	699.5	4067.5	7612.9
00065	STAGE, STREAM (FEET)	04/18/83-04/28/94	134	3.555	3.843	10.46	1.34	3.366	1.835	1.8	2.54	4.933	5.855
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/30/77-01/24/91	6	15.	23.833	75.	3.	703.767	26.529	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	141	4.5	18.723	186.	0.3	1157.556	34.023	1.32	2.	15.	64.6
00080	COLOR (PLATINUM-COBALT UNITS)	10/04/67-08/15/74	228	15.	17.965	110.	0.	216.316	14.708	5.	7.	25.	32.3
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	580	73.	74.029	188.	40.	170.944	13.075	60.	65.	80.	88.
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	346	10.	10.135	15.	5.7	4.909	2.216	7.2	8.375	11.8	13.4
00310	BOD, 5 DAY, 20 DEG C MG/L	08/16/88-08/28/90	97	2.	2.454	11.	0.5	3.886	1.971	0.5	1.	4.	5.
00335	COD, .025N K2CR207 MG/L	10/13/89-10/13/89	1	14.3	14.3	14.3	14.3	0.	0.	**	**	**	**
00340	COD, .25N K2CR207 MG/L	10/02/89-12/20/90	40	12.	14.175	86.	3.	189.738	13.775	5.	6.	18.	25.
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	574	7.	7.048	8.8	5.8	0.149	0.386	6.6	6.8	7.3	7.5
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	574	7.	6.895	8.8	5.8	0.173	0.416	6.6	6.8	7.3	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	574	0.1	0.127	1.585	0.002	0.015	0.124	0.032	0.05	0.158	0.251
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	118	7.2	7.272	8.8	6.4	0.217	0.466	6.7	6.9	7.6	7.9
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	118	7.2	7.068	8.8	6.4	0.259	0.509	6.7	6.9	7.6	7.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	118	0.063	0.086	0.398	0.002	0.007	0.082	0.013	0.025	0.126	0.2
00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/72-05/23/79	47	5.6	5.704	11.	0.2	4.742	2.178	2.98	4.4	7.2	9.14
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	307	19.	19.375	32.	9.	17.921	4.233	15.	16.	22.	25.
00440	BICARBONATE ION (MG/L AS HCO3)	10/04/67-04/25/78	232	23.5	23.832	39.	11.	27.162	5.212	18.	20.	27.75	31.
00445	CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	228	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/20/87-04/28/94	35	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00453	BICARBONATE,WATER,DISS,INCR TIT, FIELD, AS HCO3, MG/L	11/20/87-04/28/94	35	24.	25.086	36.	18.	18.551	4.307	19.2	22.	28.	31.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/88-02/01/94	256	25.	84.689	844.	0.5	18183.888	134.848	1.5	4.	104.75	266.4
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/88-02/01/94	255	5.	11.712	120.	0.	290.725	17.051	1.	1.5	14.	32.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/16/88-02/01/94	231	25.	79.173	744.	0.1	15224.842	123.389	1.	2.	96.	244.8
00600	NITROGEN, TOTAL (MG/L AS N)	01/31/78-05/08/81	25	0.79	0.9	2.1	0.3	0.165	0.406	0.488	0.615	1.1	1.5
00602	NITROGEN, DISSOLVED (MG/L AS N)	10/05/79-05/08/81	12	0.64	0.658	0.97	0.15	0.048	0.22	0.243	0.565	0.81	0.955
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	01/31/78-05/08/81	25	0.25	0.294	0.87	0.1	0.037	0.192	0.116	0.175	0.34	0.608
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	10/05/79-05/08/81	12	0.16	0.162	0.31	0.04	0.005	0.071	0.058	0.11	0.205	0.286
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	329	0.02	0.044	0.27	0.	0.002	0.042	0.01	0.02	0.06	0.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/30/77-08/26/92	67	0.03	0.039	0.15	0.	0.001	0.035	0.005	0.02	0.05	0.1
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	307 ##	0.005	0.007	0.08	0.	0.	0.007	0.005	0.005	0.005	0.01
00615	NITRATE NITROGEN, TOTAL (MG/L AS N)	11/15/90-08/26/92	11 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00618p	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	308	0.57	0.515	1.02	0.	0.062	0.25	0.059	0.383	0.698	0.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	12/30/77-08/27/91	27	0.2	0.211	0.47	0.08	0.011	0.103	0.108	0.14	0.25	0.414
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	01/31/78-05/08/81	25	0.08	0.137	0.82	0.	0.031	0.176	0.	0.045	0.16	0.348
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	341	0.4	0.55	2.9	0.	0.233	0.483	0.2	0.2	0.7	1.2
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	12/30/77-08/26/92	37	0.57	0.559	1.2	0.025	0.106	0.326	0.046	0.345	0.73	1.12
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	335	0.6	0.525	1.1	0.	0.069	0.264	0.05	0.4	0.7	0.8
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/04/67-06/25/79	161	0.01	0.027	0.4	0.	0.003	0.057	0.	0.	0.025	0.08
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/01/73-03/14/83	28	0.	0.018	0.06	0.	0.	0.022	0.	0.	0.03	0.06
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	342	0.05	0.128	1.1	0.005	0.025	0.158	0.02	0.03	0.173	0.347
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	271	0.02	0.022	0.09	0.	0.	0.017	0.005	0.01	0.03	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	337	0.01	0.016	0.08	0.005	0.	0.012	0.005	0.005	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	293	3.5	5.192	106.	0.	61.239	7.826	1.8	2.55	5.9	8.44
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	12/30/77-01/04/94	8	2.65	15.475	80.	1.1	766.954	27.694	**	**	**	**
00689	CARBON, SUSPENDED ORGANIC (MG/L AS C)	12/30/77-03/09/81	7	0.3	0.457	1.7	0.	0.32	0.565	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	264	23.5	23.602	56.	16.	13.746	3.708	20.	22.	26.	28.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	254	4.	4.299	36.	0.	15.546	3.943	0.	2.	6.	9.5
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	322	6.	6.068	14.	4.	1.104	1.051	4.9	5.4	6.7	7.4
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	322	2.1	2.112	5.2	1.	0.192	0.438	1.6	1.8	2.3	2.6
00930p	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	322	3.5	3.548	12.	1.8	0.674	0.821	2.8	3.1	3.8	4.4
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	264	0.3	0.311	0.7	0.2	0.003	0.056	0.3	0.3	0.3	0.4
00932	SODIUM, PERCENT	10/04/67-11/05/85	264	22.	22.447	37.	14.	8.172	2.859	19.	21.	24.	25.
00933	SODIUM,PLUS POTASSIUM (MG/L)	05/23/79-02/20/80	6	4.4	4.5	5.1	4.1	0.124	0.352	**	**	**	**
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	322	1.7	1.861	4.3	0.4	0.622	0.788	1.	1.2	2.3	3.1
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	322	4.	4.59	36.	1.	4.342	2.084	3.	4.	5.	6.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	322	7.	6.885	17.	2.	4.638	2.154	4.	5.	8.	10.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	322	0.1	0.1	0.3	0.	0.002	0.047	0.05	0.1	0.1	0.2
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	570	9.9	9.623	17.	0.1	4.362	2.088	6.7	8.3	11.	12.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/30/77-08/27/91	49 ##	0.5	0.755	3.	0.	0.314	0.56	0.5	0.5	1.	1.
01001	ARSENIC, SUSPENDED (UG/L AS AS)	12/30/77-07/12/82	10	0.	0.25	1.	0.	0.181	0.425	0.	0.	0.625	1.
01002	ARSENIC, TOTAL (UG/L AS AS)	12/30/77-07/12/82	12	1.	0.958	2.	0.	0.339	0.582	0.15	0.5	1.	2.
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/30/77-08/23/93	54	20.	29.352	170.	10.	813.251	28.518	12.	16.75	26.5	58.
01006	BARIUM, SUSPENDED (UG/L AS BA)	12/30/77-07/12/82	11	0.	34.545	90.	0.	1607.273	40.091	0.	0.	70.	88.
01007	BARIUM, TOTAL (UG/L AS BA)	12/30/77-07/12/82	12	100.	89.583	200.	25.	1983.902	44.541	32.5	50.	100.	170.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/24/82-08/27/91	36 ##	0.25	0.283	0.7	0.	0.014	0.116	0.25	0.25	0.25	0.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/30/77-08/27/91	49 ##	0.5	0.847	3.	0.	0.523	0.723	0.5	0.5	1.	2.
01026	CADMIUM, SUSPENDED (UG/L AS CD)	12/30/77-10/15/81	9	0.	0.333	3.	0.	1.	1.	0.	0.	0.	3.
01027	CADMIUM, TOTAL (UG/L AS CD)	12/30/77-07/12/82	12	1.	1.	5.	0.	1.773	1.331	0.	0.125	1.	3.8
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/30/77-08/27/91	49 ##	0.5	2.531	20.	0.5	14.275	3.778	0.5	0.5	3.5	10.
01031	CHROMIUM, SUSPEND (UG/L AS CR)	12/30/77-04/28/82	7	10.	11.714	30.	3.	71.571	8.46	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	12/30/77-07/12/82	12	15.	17.083	40.	5.	102.083	10.104	6.5	10.	20.	37.
01035	COBALT, DISSOLVED (UG/L AS CO)	12/30/77-08/23/93	54 ##	1.5	1.269	2.	0.	0.252	0.502	0.25	1.5	1.5	1.5
01036	COBALT, SUSPENDED (UG/L AS CO)	12/30/77-07/12/82	10	0.	0.3	2.	0.	0.456	0.675	0.	0.	0.25	1.9
01037	COBALT, TOTAL (UG/L AS CO)	12/30/77-07/12/82	12 ##	0.5	1.125	5.	0.	2.324	1.524	0.	0.	1.75	4.4
01040	COPPER, DISSOLVED (UG/L AS CU)	12/30/77-08/27/91	49	2.	2.265	7.	0.	3.199	1.789	0.5	1.	3.	5.
01041	COPPER, SUSPENDED (UG/L AS CU)	12/30/77-07/12/82	12	2.	3.167	9.	0.	11.424	3.38	0.	0.	7.	8.4
01042	COPPER, TOTAL (UG/L AS CU)	12/30/77-07/12/82	12	4.	5.5	16.	1.	21.364	4.622	1.	2.	8.75	14.5
01044	IRON, SUSPENDED (UG/L AS FE)	12/27/78-07/12/82	11	570.	1332.727	6200.	130.	3246121.818	1801.7	148.	370.	2000.	5500.
01045	IRON, TOTAL (UG/L AS FE)	12/30/77-07/12/82	12	710.	1441.667	6600.	280.	3258324.242	1805.083	289.	450.	2000.	5460.
01046p	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	254	50.	80.134	730.	0.	7480.116	86.488	7.5	20.	110.	185.
01049	LEAD, DISSOLVED (UG/L AS PB)	12/30/77-08/27/91	49	2.5	3.153	27.	0.	21.044	4.587	0.5	1.	2.75	8.
01050	LEAD, SUSPENDED (UG/L AS PB)	12/30/77-07/12/82	10	2.	2.5	9.	0.	8.5	2.915	0.	0.	3.75	8.7
01051	LEAD, TOTAL (UG/L AS PB)	12/30/77-07/12/82	12	4.	6.333	18.	0.	39.152	6.257	0.	1.5	9.5	18.
01054	MANGANESE, SUSPENDED (UG/L AS MN)	12/30/77-07/12/82	12	20.	50.833	350.	0.	9281.061	96.338	3.	10.	47.5	266.
01055	MANGANESE, TOTAL (UG/L AS MN)	12/30/77-07/12/82	12	50.	74.167	360.	20.	8553.788	92.487	20.	30.	77.5	276.
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/30/77-08/23/93	54	14.	21.	160.	4.	520.453	22.813	7.	9.75	28.25	38.5
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/24/82-08/23/93	41 ##	5.	5.244	10.	5.	1.189	1.09	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	02/20/80-08/23/93	50	1.	1.44	6.	0.	1.66	1.288	0.5	0.5	2.	3.
01066	NICKEL, SUSPENDED (UG/L AS NI)	02/20/80-07/12/82	9	1.	1.556	5.	0.	2.278	1.509	0.	0.5	2.	5.
01067	NICKEL, TOTAL (UG/L AS NI)	02/20/80-07/12/82	9	3.	2.889	6.	0.	4.111	2.028	0.	1.	4.5	6.
01075	SILVER, DISSOLVED (UG/L AS AG)	12/30/77-08/23/93	54 ##	0.5	0.463	1.	0.	0.046	0.214	0.	0.5	0.5	0.5
01076	SILVER, SUSPENDED (UG/L AS AG)	12/30/77-03/09/81	8	0.	0.	0.	0.	0.	0.	**	**	**	**
01077	SILVER, TOTAL (UG/L AS AG)	12/30/77-07/12/82	14 ##	0.	0.214	0.5	0.	0.066	0.257	0.	0.	0.5	0.5
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/24/82-08/23/93	41	34.	34.707	55.	19.	53.662	7.325	24.2	30.5	37.	44.
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/24/82-08/23/93	41 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01090 ZINC, DISSOLVED (UG/L AS ZN)	12/30/77-08/27/91	49	7.	9.367	26.	0.	56.206	7.497	1.5	2.5	15.5	20.
01091 ZINC, SUSPENDED (UG/L ZN)	12/30/77-04/28/82	10	20.	46.6	190.	6.	3346.711	57.851	6.4	10.	75.	180.
01092 ZINC, TOTAL (UG/L AS ZN)	12/30/77-07/12/82	12	35.	56.667	200.	10.	2878.788	53.654	10.	22.5	82.5	170.
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	03/14/83-08/23/93	40	40.	48.	250.	5.	2126.667	46.116	5.5	30.	57.5	118.
01130 LITHIUM, DISSOLVED (UG/L AS LI)	11/24/82-08/23/93	41 ##	2.	3.073	27.	2.	18.17	4.263	2.	2.	2.	3.6
01145 SELENIUM, DISSOLVED (UG/L AS SE)	12/30/77-08/23/93	54 ##	0.5	0.472	0.5	0.	0.013	0.116	0.5	0.5	0.5	0.5
01146 SELENIUM, SUSPENDED (UG/L AS SE)	12/30/77-03/09/81	8	0.	0.	0.	0.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	12/30/77-07/12/82	12 ##	0.5	0.375	0.5	0.	0.051	0.226	0.	0.125	0.5	0.5
31625 FECAL COLIFORM, MF,M-FC, 0.7 UM	12/30/77-04/28/94	94	30.5	557.191	17000.	1.	4750286.07	2179.515	9.5	13.	115.	930.
31625 LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	12/30/77-04/28/94	94	1.484	1.708	4.23	0.	0.671	0.819	0.977	1.114	2.06	2.949
31625 GM FECAL COLIFORM, MF,M-FC, 0.7 UM				GEOGRAPHIC MEAN =	51.02							
31673 FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/30/77-04/28/94	94	49.	790.266	37000.	2.	15308487.574	3912.606	7.5	15.	164.5	1330.
31673 LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/30/77-04/28/94	94	1.69	1.818	4.568	0.301	0.693	0.832	0.874	1.176	2.216	3.115
31673 GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR				GEOGRAPHIC MEAN =	65.716							
39086 ALKALINITY, WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/20/87-04/28/94	35	20.	20.629	30.	15.	13.005	3.606	15.6	18.	23.	25.
60050 ALGAE, TOTAL (CELLS/ML)	07/31/78-05/08/81	11	480.	559.364	1500.	26.	239074.055	488.952	36.2	180.	930.	1460.
70300p RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	320	53.	54.45	123.	31.	75.358	8.681	45.1	49.	59.	65.
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	263	48.	48.038	110.	32.	35.838	5.987	42.	45.	51.	53.6
70302 SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	197	165.	303.629	3570.	1.59	210317.934	458.604	46.9	81.55	357.5	659.2
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	262	0.07	0.074	0.17	0.04	0.	0.012	0.06	0.07	0.08	0.09
70331 SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/30/77-08/23/93	100	91.5	86.99	100.	37.	205.444	14.333	66.1	80.25	98.	100.
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/01/71-08/26/92	74	0.005	0.015	0.6	0.	0.005	0.069	0.	0.003	0.006	0.02
71825 ACIDITY, TOTAL (MG/L AS H)	06/14/84-06/14/84	1	7.5	7.5	7.5	7.5	0.	0.	**	**	**	**
71845 NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	04/25/79-01/13/81	13	0.04	0.038	0.1	0.	0.001	0.032	0.	0.02	0.05	0.1
71846 NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/05/79-12/04/85	23	0.04	0.05	0.18	0.	0.003	0.051	0.	0.01	0.06	0.158
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/04/67-08/15/74	204	2.2	2.069	5.2	0.	1.62	1.273	0.3	1.	3.1	3.8
71856 NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	05/15/74-08/15/74	7	0.	0.037	0.26	0.	0.01	0.098	**	**	**	**
71885 IRON (UG/L AS FE)	10/04/67-09/21/68	27	40.	61.852	300.	0.	4915.67	70.112	0.	20.	80.	172.
71886 PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/25/79-12/04/85	38	0.12	0.192	0.95	0.015	0.049	0.22	0.06	0.06	0.22	0.553
71887 NITROGEN, TOTAL, AS NO3 - MG/L	01/31/78-05/08/81	25	3.5	3.98	9.1	1.3	3.184	1.784	2.16	2.75	4.7	6.74
71890 MERCURY, DISSOLVED (UG/L AS HG)	12/30/77-04/23/91	48 ##	0.05	0.128	1.4	0.05	0.048	0.219	0.05	0.05	0.088	0.3
71895 MERCURY, SUSPENDED (UG/L AS HG)	12/30/77-12/17/81	5	0.	0.	0.	0.	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	12/30/77-07/12/82	12 ##	0.15	0.208	0.7	0.05	0.038	0.194	0.05	0.05	0.288	0.61
80154 SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/30/77-08/23/93	106	7.	28.179	350.	0.	4156.549	64.471	3.	4.	13.	75.3
80155 SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/30/77-11/05/85	23	25.	100.718	648.	0.03	28335.067	168.33	1.114	14.	89.	406.4
82068 POTASSIUM 40, DISSOLVED, K-40 PC/LITER	03/09/81-05/08/81	2	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0045

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	6	1	0.17				5	1	0.20	1	0	0.00			
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	141	20	0.14	34	3	0.09	70	12	0.17	37	5	0.14			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	346	0	0.00	74	0	0.00	173	0	0.00	99	0	0.00			
00400 PH	Fresh Chronic	9.	574	0	0.00	141	0	0.00	274	0	0.00	159	0	0.00			
00403 PH, LAB	Other-Lo Lim.	6.5	574	46	0.08	141	8	0.06	274	25	0.09	159	13	0.08			
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	307	0	0.00	71	0	0.00	151	0	0.00	85	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N'	Drinking Water	1.	11	0	0.00	2	0	0.00	6	0	0.00	3	0	0.00			
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	308	0	0.00	71	0	0.00	153	0	0.00	84	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	37	0	0.00	6	0	0.00	20	0	0.00	11	0	0.00			
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	335	0	0.00	75	0	0.00	166	0	0.00	94	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	322	0	0.00	88	0	0.00	148	0	0.00	86	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	322	0	0.00	88	0	0.00	148	0	0.00	86	0	0.00			
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	322	0	0.00	88	0	0.00	148	0	0.00	86	0	0.00			
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	49	0	0.00	11	0	0.00	25	0	0.00	13	0	0.00			
	Drinking Water	50.	49	0	0.00	11	0	0.00	25	0	0.00	13	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0045

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
01001	ARSENIC, SUSPENDED	Fresh Acute	360.	10	0	0.00	2	0	0.00	6	0	0.00	2	0	0.00
		Drinking Water	50.	10	0	0.00	2	0	0.00	6	0	0.00	2	0	0.00
01002	ARSENIC, TOTAL	Fresh Acute	360.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00
		Drinking Water	50.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00
01005	BARIUM, DISSOLVED	Drinking Water	2000.	54	0	0.00	13	0	0.00	27	0	0.00	14	0	0.00
01006	BARIUM, SUSPENDED	Drinking Water	2000.	11	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00
01007	BARIUM, TOTAL	Drinking Water	2000.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00
01010	BERYLLIUM, DISSOLVED	Fresh Acute	130.	36	0	0.00	9	0	0.00	18	0	0.00	9	0	0.00
		Drinking Water	4.	36	0	0.00	9	0	0.00	18	0	0.00	9	0	0.00
01025	CADMIUM, DISSOLVED	Fresh Acute	3.9	49	0	0.00	11	0	0.00	25	0	0.00	13	0	0.00
		Drinking Water	5.	49	0	0.00	11	0	0.00	25	0	0.00	13	0	0.00
01026	CADMIUM, SUSPENDED	Fresh Acute	3.9	9	0	0.00	1	0	0.00	6	0	0.00	2	0	0.00
		Drinking Water	5.	9	0	0.00	1	0	0.00	6	0	0.00	2	0	0.00
01027	CADMIUM, TOTAL	Fresh Acute	3.9	12	1	0.08	2	0	0.00	7	1	0.14	3	0	0.00
		Drinking Water	5.	12	1	0.08	2	0	0.00	7	1	0.14	3	0	0.00
01030	CHROMIUM, DISSOLVED	Drinking Water	100.	49	0	0.00	11	0	0.00	25	0	0.00	13	0	0.00
01031	CHROMIUM, SUSPENDED	Drinking Water	100.	7	0	0.00	1	0	0.00	4	0	0.00	2	0	0.00
01034	CHROMIUM, TOTAL	Drinking Water	100.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00
01040	COPPER, DISSOLVED	Fresh Acute	18.	49	0	0.00	11	0	0.00	25	0	0.00	13	0	0.00
		Drinking Water	1300.	49	0	0.00	11	0	0.00	25	0	0.00	13	0	0.00
01041	COPPER, SUSPENDED	Fresh Acute	18.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00
		Drinking Water	1300.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00
01042	COPPER, TOTAL	Fresh Acute	18.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00
		Drinking Water	1300.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00
01049	LEAD, DISSOLVED	Fresh Acute	82.	49	0	0.00	11	0	0.00	25	0	0.00	13	0	0.00
		Drinking Water	15.	49	2	0.04	11	0	0.00	25	2	0.08	13	0	0.00
01050	LEAD, SUSPENDED	Fresh Acute	82.	10	0	0.00	2	0	0.00	5	0	0.00	3	0	0.00
		Drinking Water	15.	10	0	0.00	2	0	0.00	5	0	0.00	3	0	0.00
01051	LEAD, TOTAL	Fresh Acute	82.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00
		Drinking Water	15.	12	2	0.17	2	0	0.00	7	2	0.29	3	0	0.00
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	50	0	0.00	13	0	0.00	25	0	0.00	12	0	0.00
		Drinking Water	100.	50	0	0.00	13	0	0.00	25	0	0.00	12	0	0.00
01066	NICKEL, SUSPENDED	Fresh Acute	1400.	9	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00
		Drinking Water	100.	9	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00
		Drinking Water	100.	9	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00
01075	SILVER, DISSOLVED	Fresh Acute	4.1	54	0	0.00	13	0	0.00	27	0	0.00	14	0	0.00
		Drinking Water	100.	54	0	0.00	13	0	0.00	27	0	0.00	14	0	0.00
01076	SILVER, SUSPENDED	Fresh Acute	4.1	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00
		Drinking Water	100.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00
01077	SILVER, TOTAL	Fresh Acute	4.1	14	0	0.00	2	0	0.00	8	0	0.00	4	0	0.00
		Drinking Water	100.	14	0	0.00	2	0	0.00	8	0	0.00	4	0	0.00
01090	ZINC, DISSOLVED	Fresh Acute	120.	49	0	0.00	11	0	0.00	25	0	0.00	13	0	0.00
		Drinking Water	5000.	49	0	0.00	11	0	0.00	25	0	0.00	13	0	0.00
01091	ZINC, SUSPENDED	Fresh Acute	120.	10	1	0.10	1	0	0.00	6	0	0.00	3	1	0.33
		Drinking Water	5000.	10	0	0.00	1	0	0.00	6	0	0.00	3	0	0.00
01092	ZINC, TOTAL	Fresh Acute	120.	12	1	0.08	2	0	0.00	7	0	0.00	3	1	0.33
		Drinking Water	5000.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	54	0	0.00	13	0	0.00	27	0	0.00	14	0	0.00
		Drinking Water	50.	54	0	0.00	13	0	0.00	27	0	0.00	14	0	0.00
01146	SELENIUM, SUSPENDED	Fresh Acute	20.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00
		Drinking Water	50.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00
01147	SELENIUM, TOTAL	Fresh Acute	20.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00
		Drinking Water	50.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	94	20	0.21	18	3	0.17	47	12	0.26	29	5	0.17
71851	NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	204	0	0.00	63	0	0.00	89	0	0.00	52	0	0.00
71856	NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	7	0	0.00	4	0	0.00		3	0	0.00		
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	48	0	0.00	10	0	0.00	25	0	0.00	13	0	0.00
		Drinking Water	2.	48	0	0.00	10	0	0.00	25	0	0.00	13	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

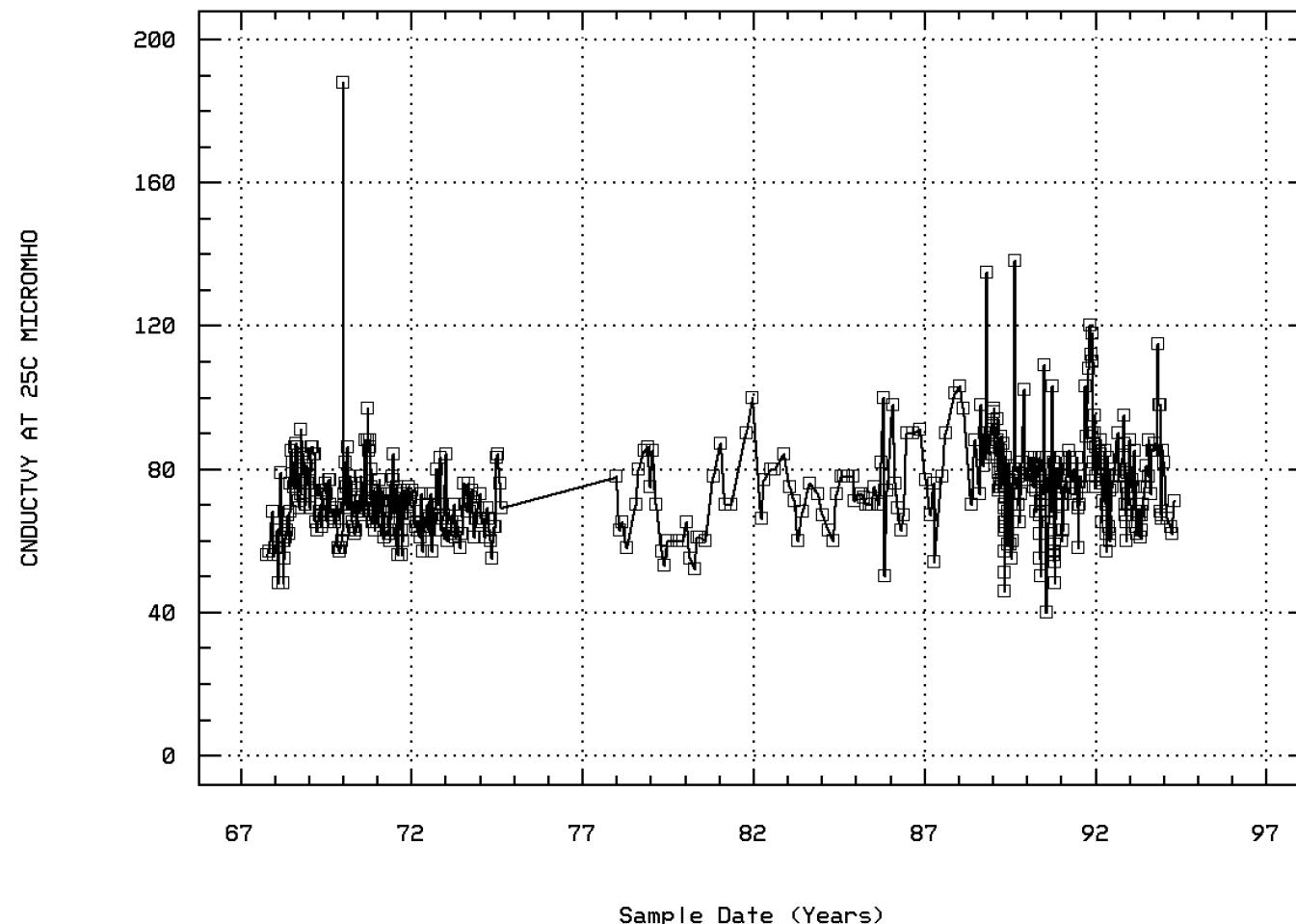
EPA Water Quality Criteria Analysis for Station: FRSP0045

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
71895 MERCURY, SUSPENDED	Fresh Acute	2.4	5	0	0.00				4	0	0.00	1	0	0.00			
	Drinking Water	2.	5	0	0.00				4	0	0.00	1	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00			
	Drinking Water	2.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: FRSP0045 Parameter Code: 00095

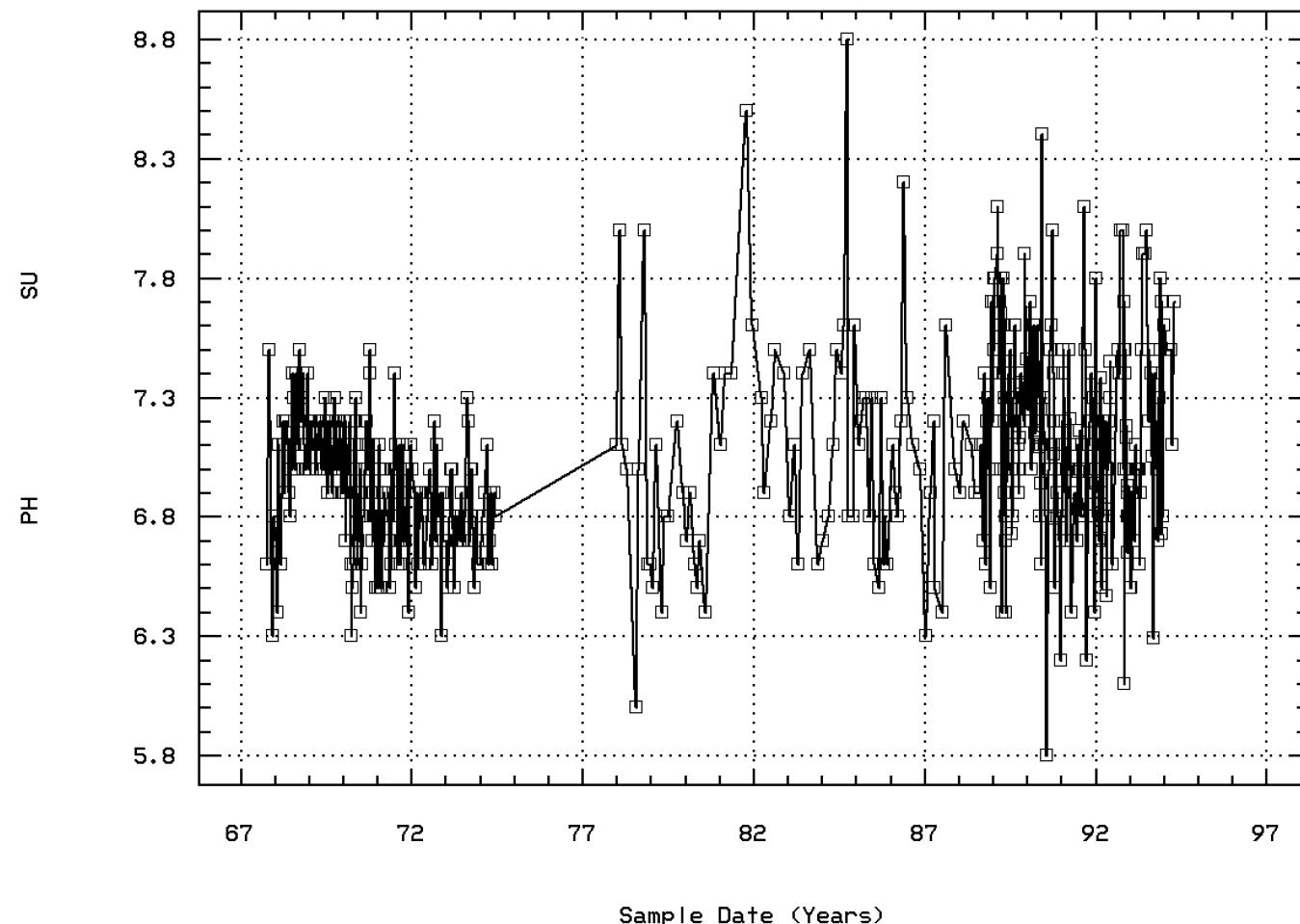
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00400

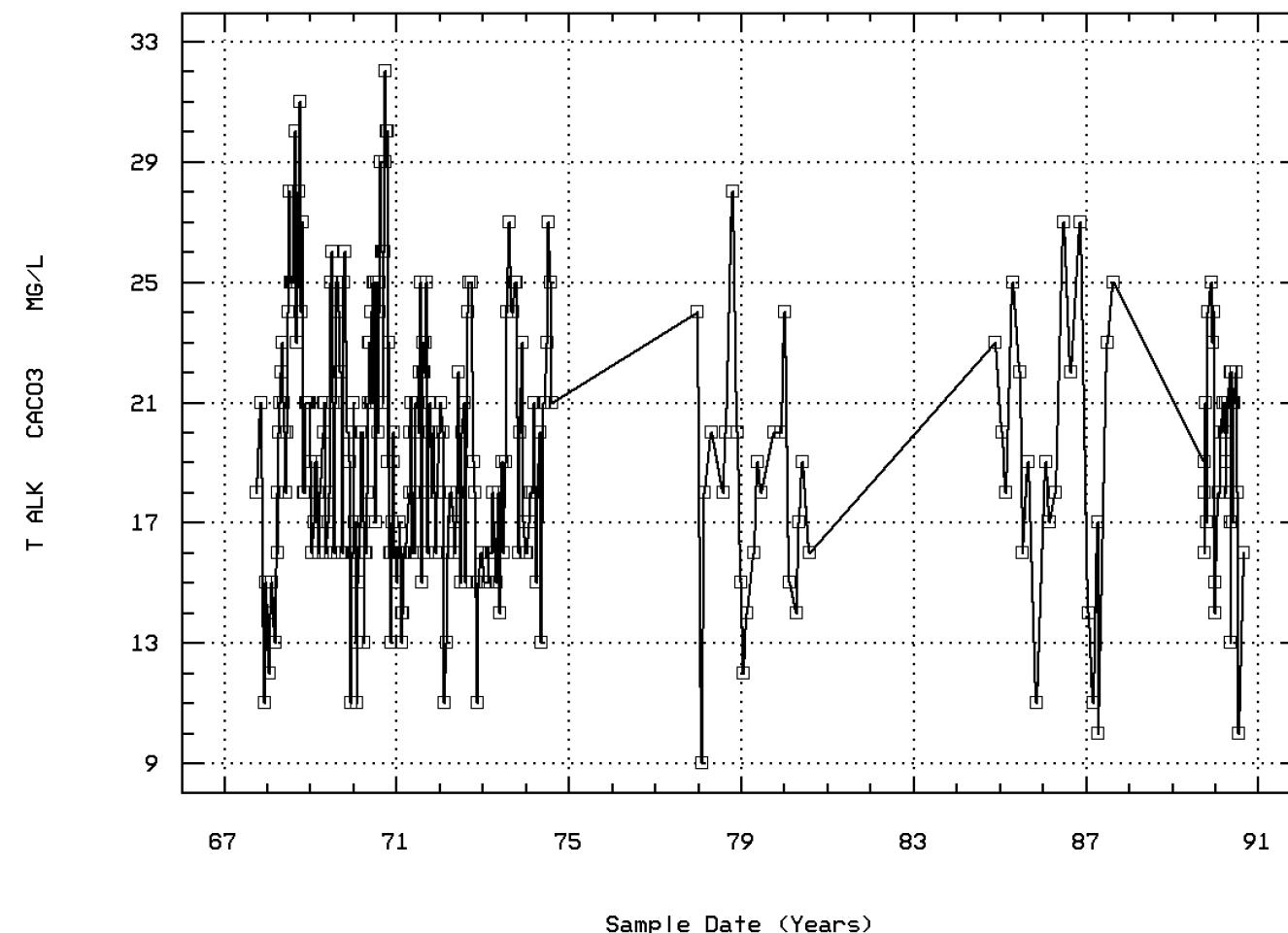
PH (STANDARD UNITS)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00410

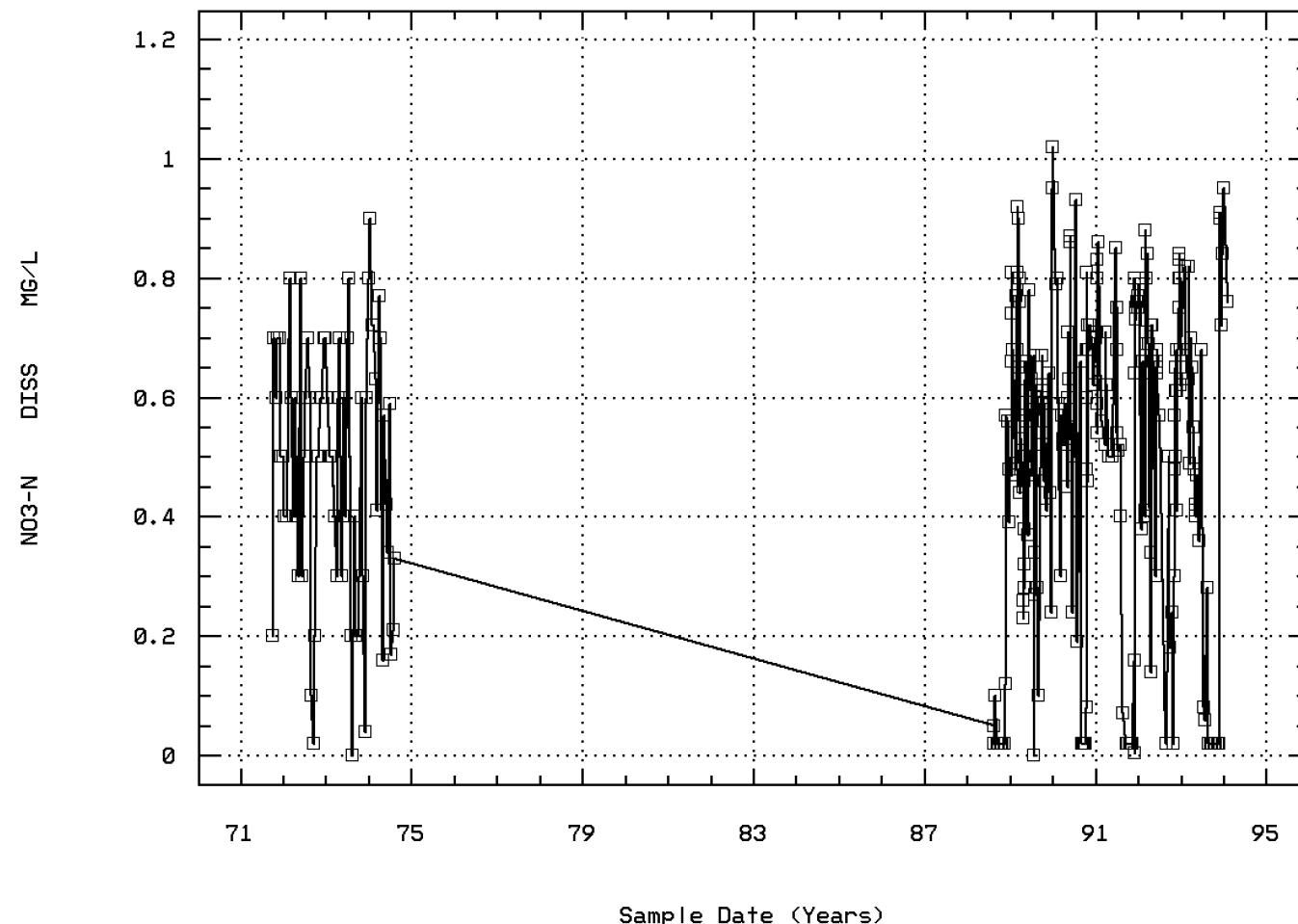
ALKALINITY, TOTAL (MG/L AS CACO₃)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00618

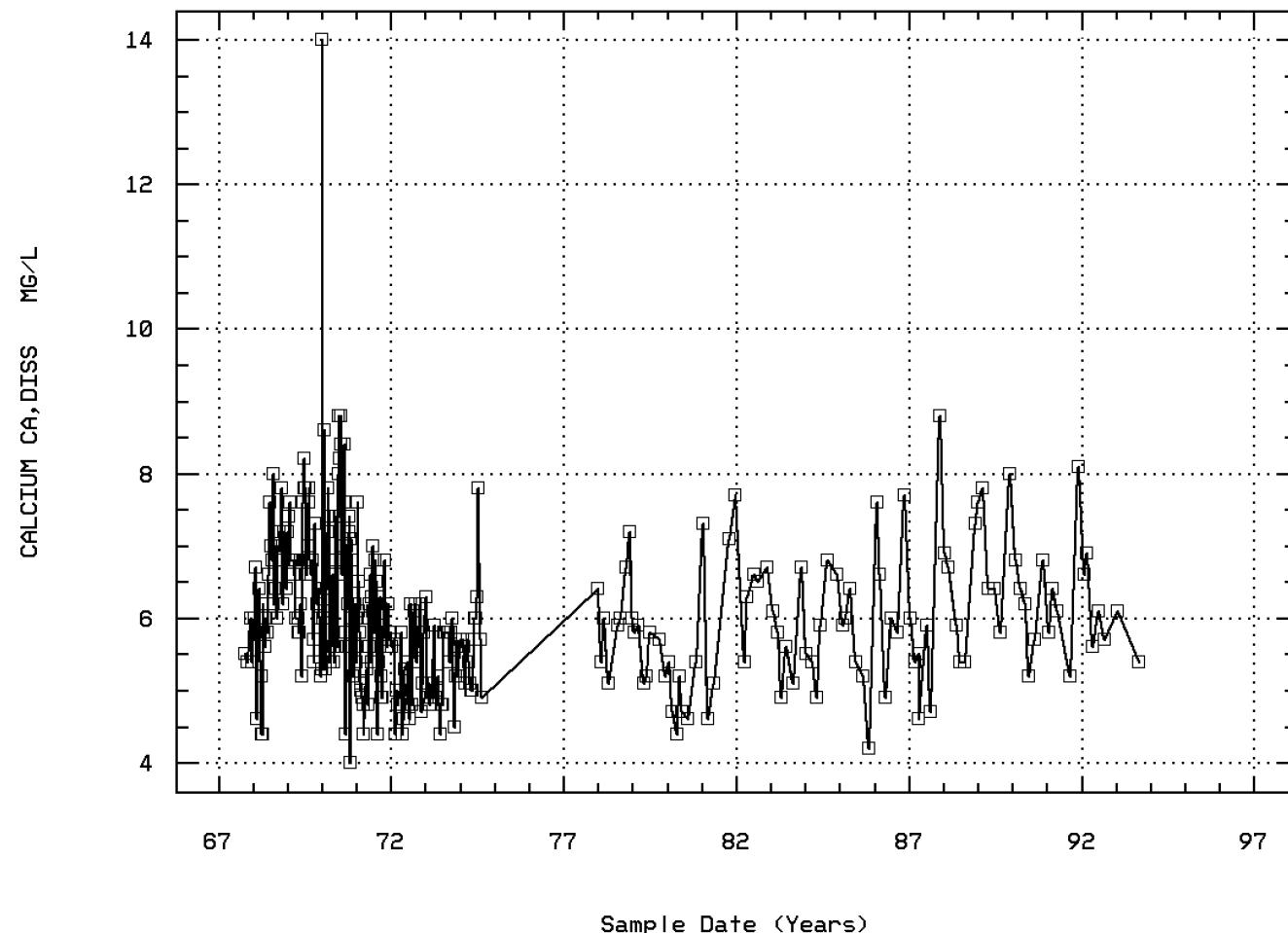
NITRATE NITROGEN, DISSOLVED (MG/L AS N)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00915

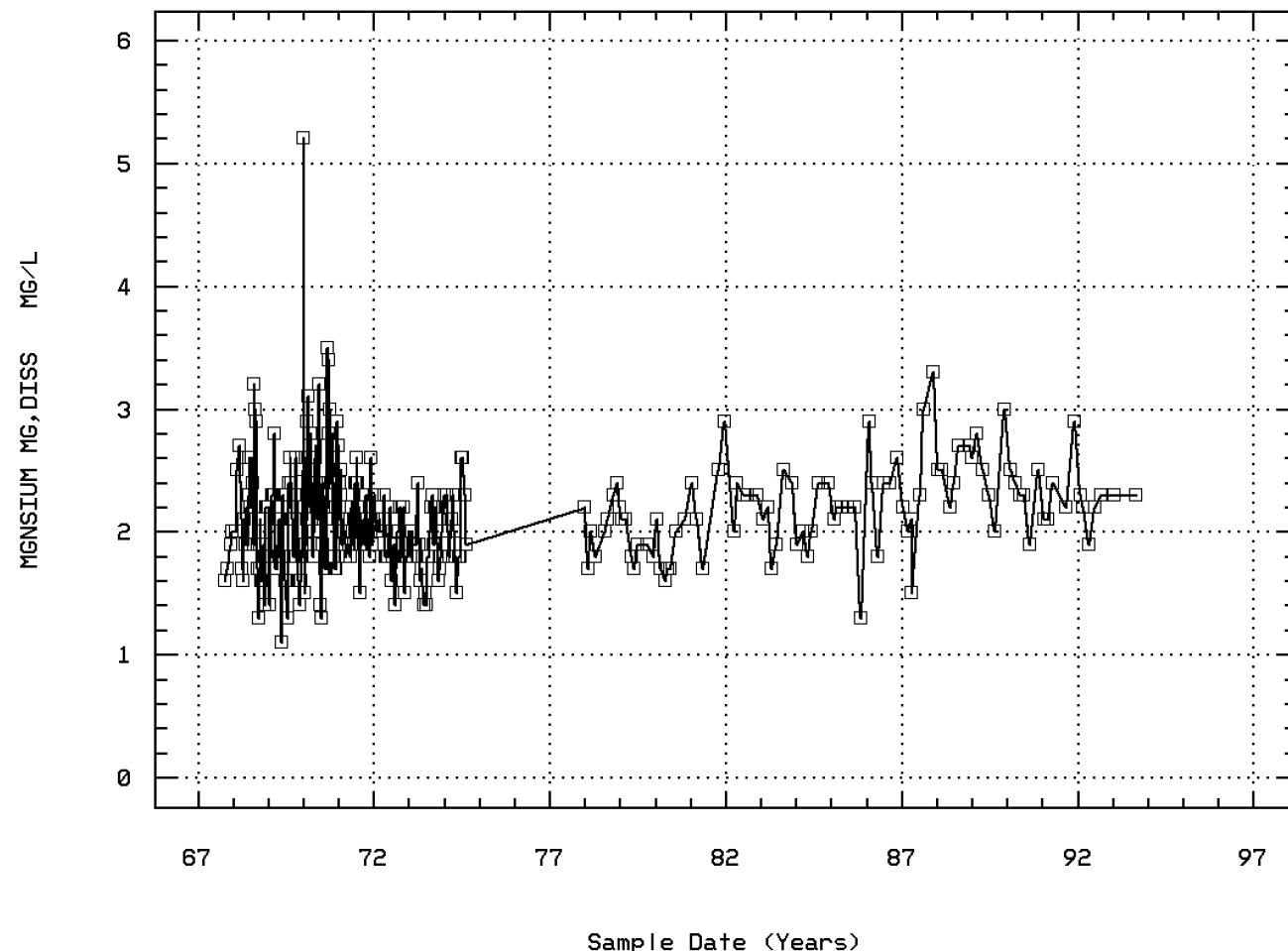
CALCIUM, DISSOLVED (MG/L AS CA)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00925

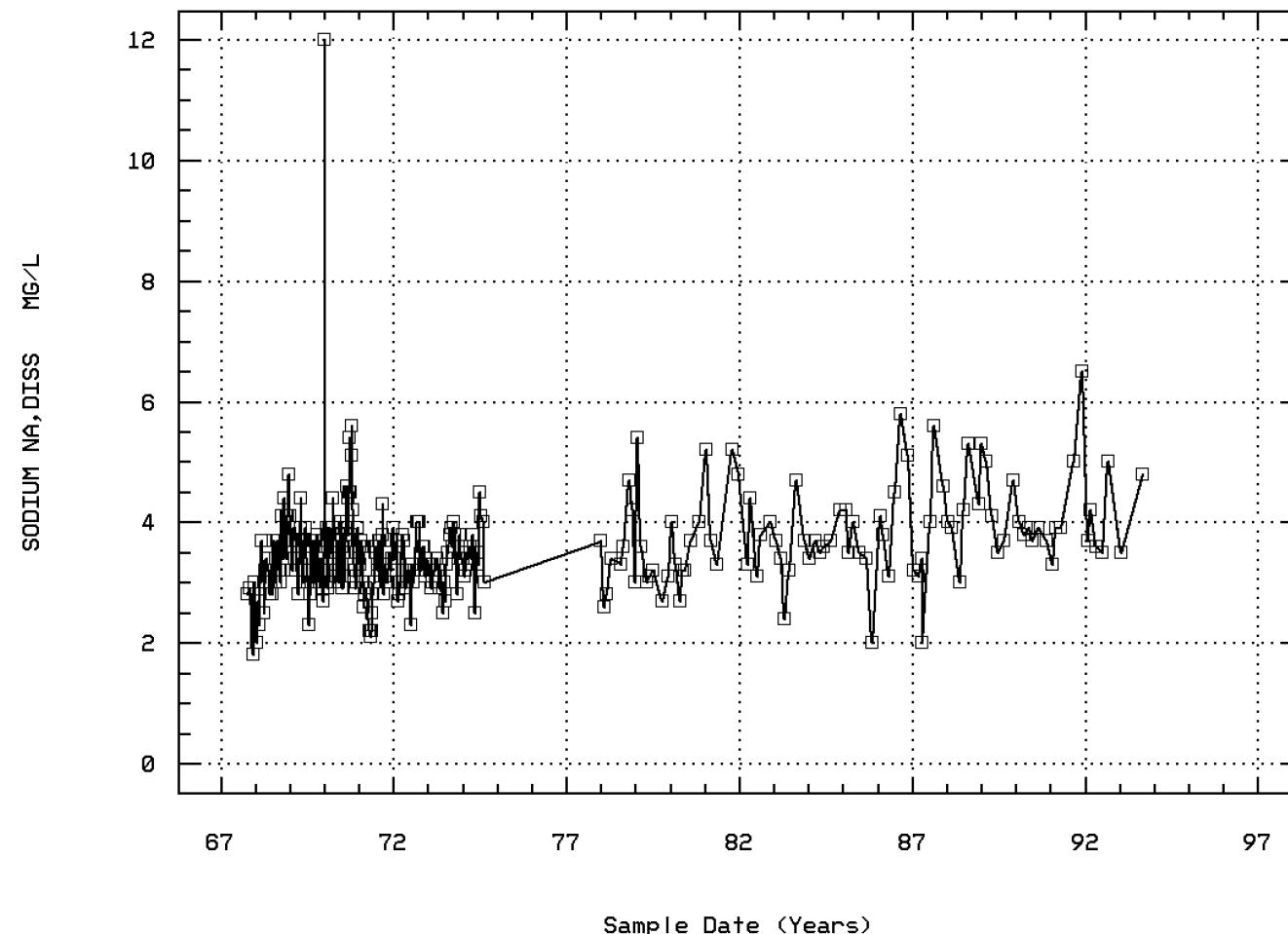
MAGNESIUM, DISSOLVED (MG/L AS MG)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00930

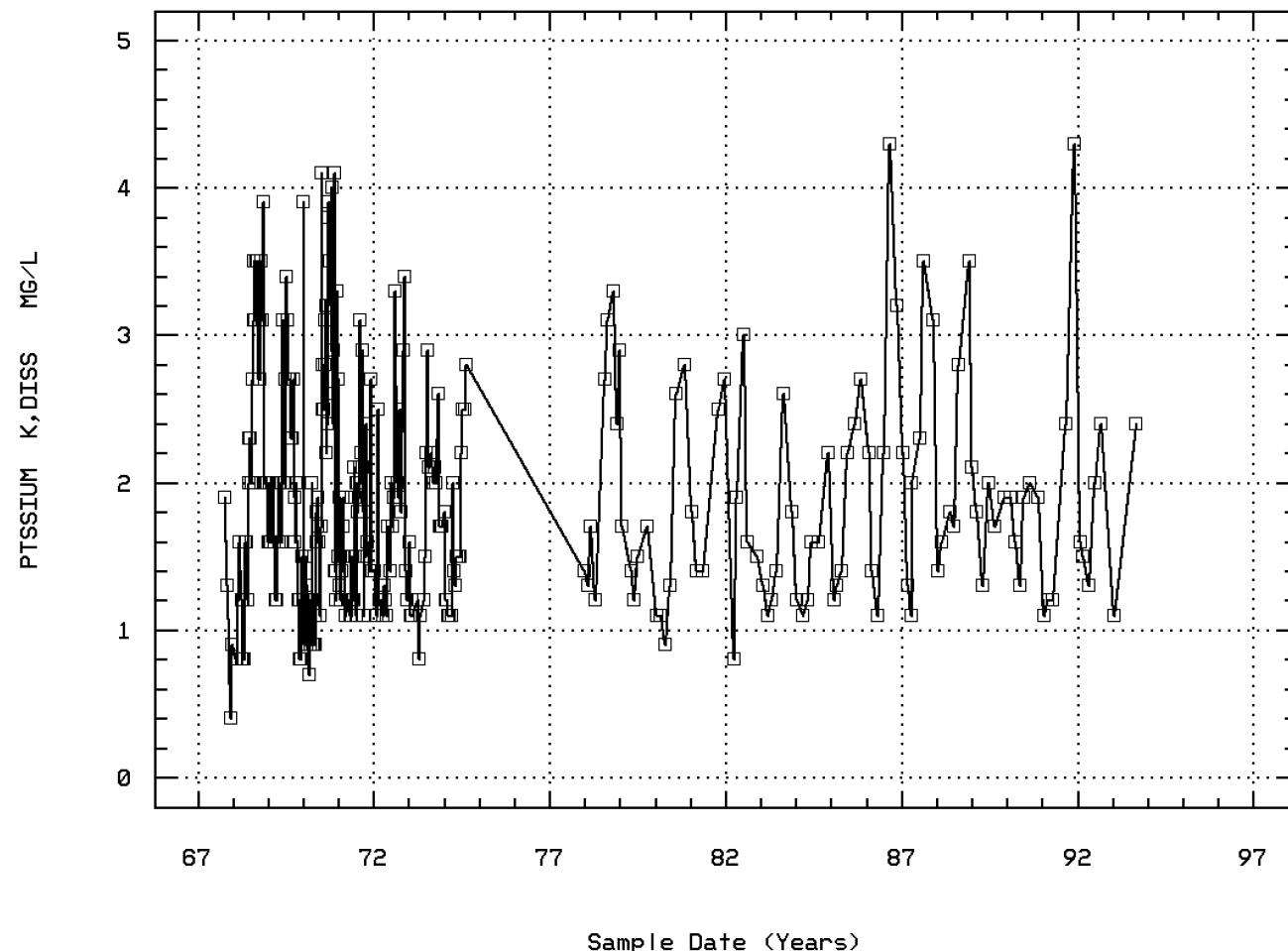
SODIUM, DISSOLVED (MG/L AS NA)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00935

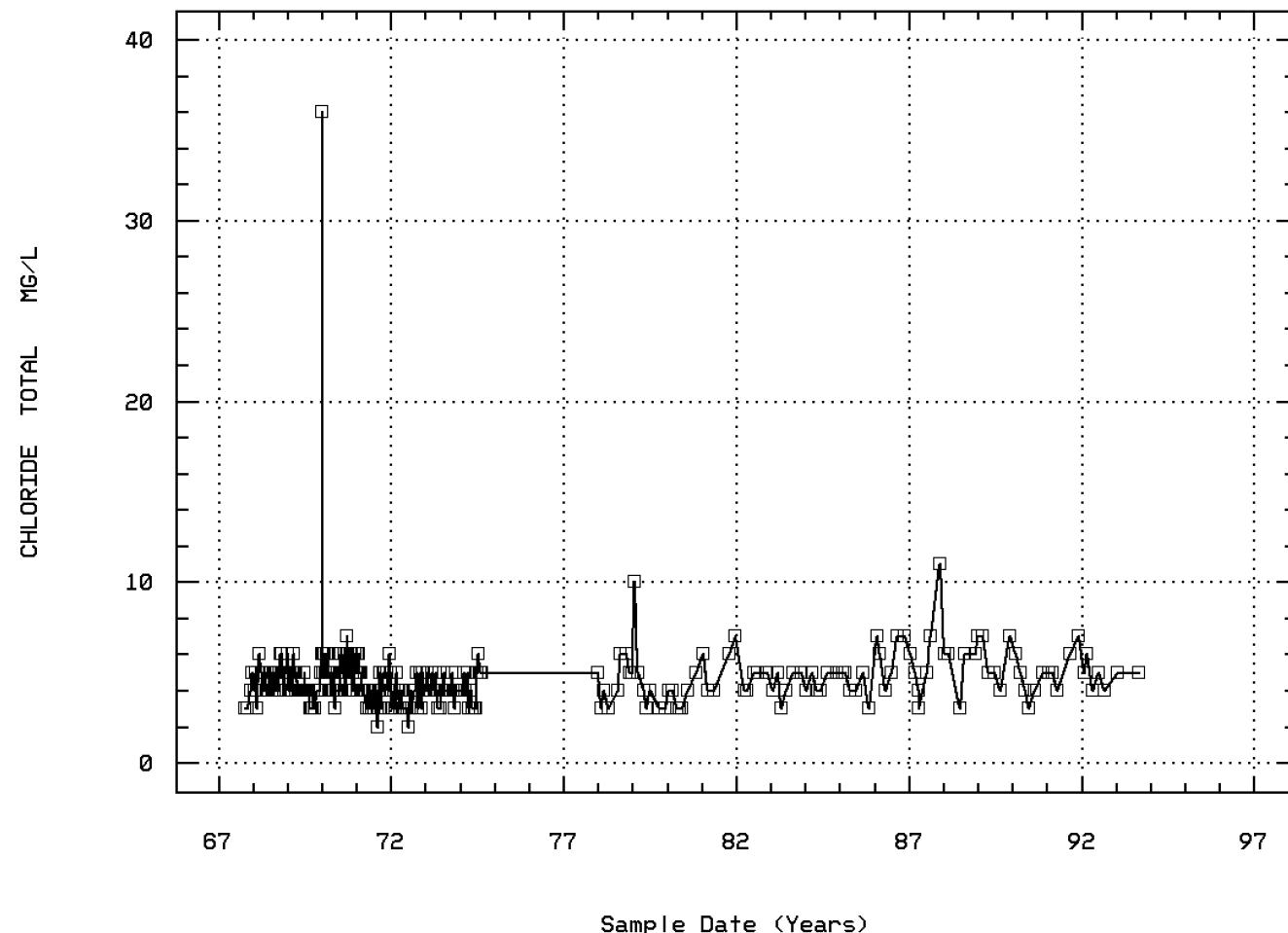
POTASSIUM, DISSOLVED (MG/L AS K)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00940

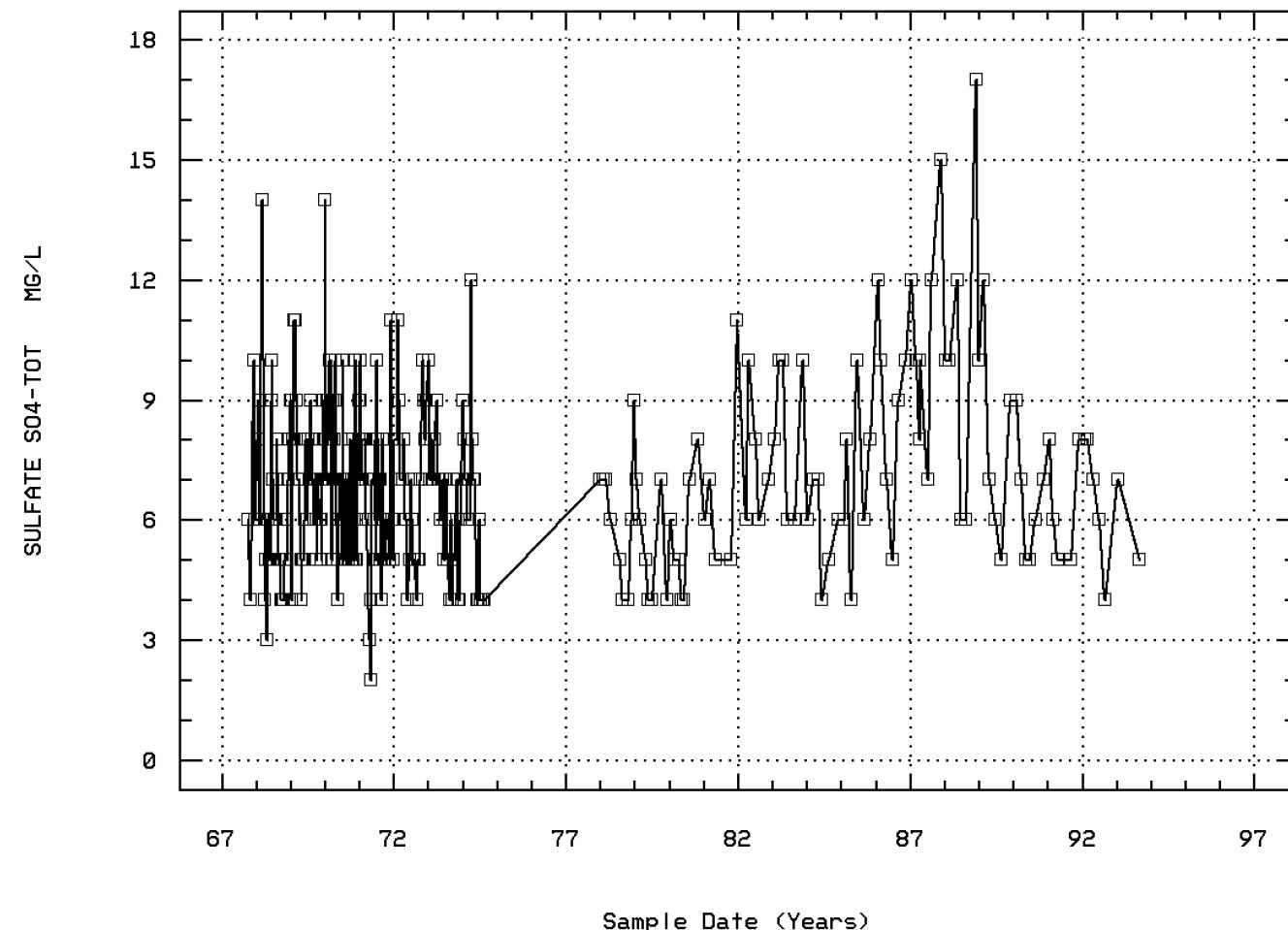
CHLORIDE, TOTAL IN WATER



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00945

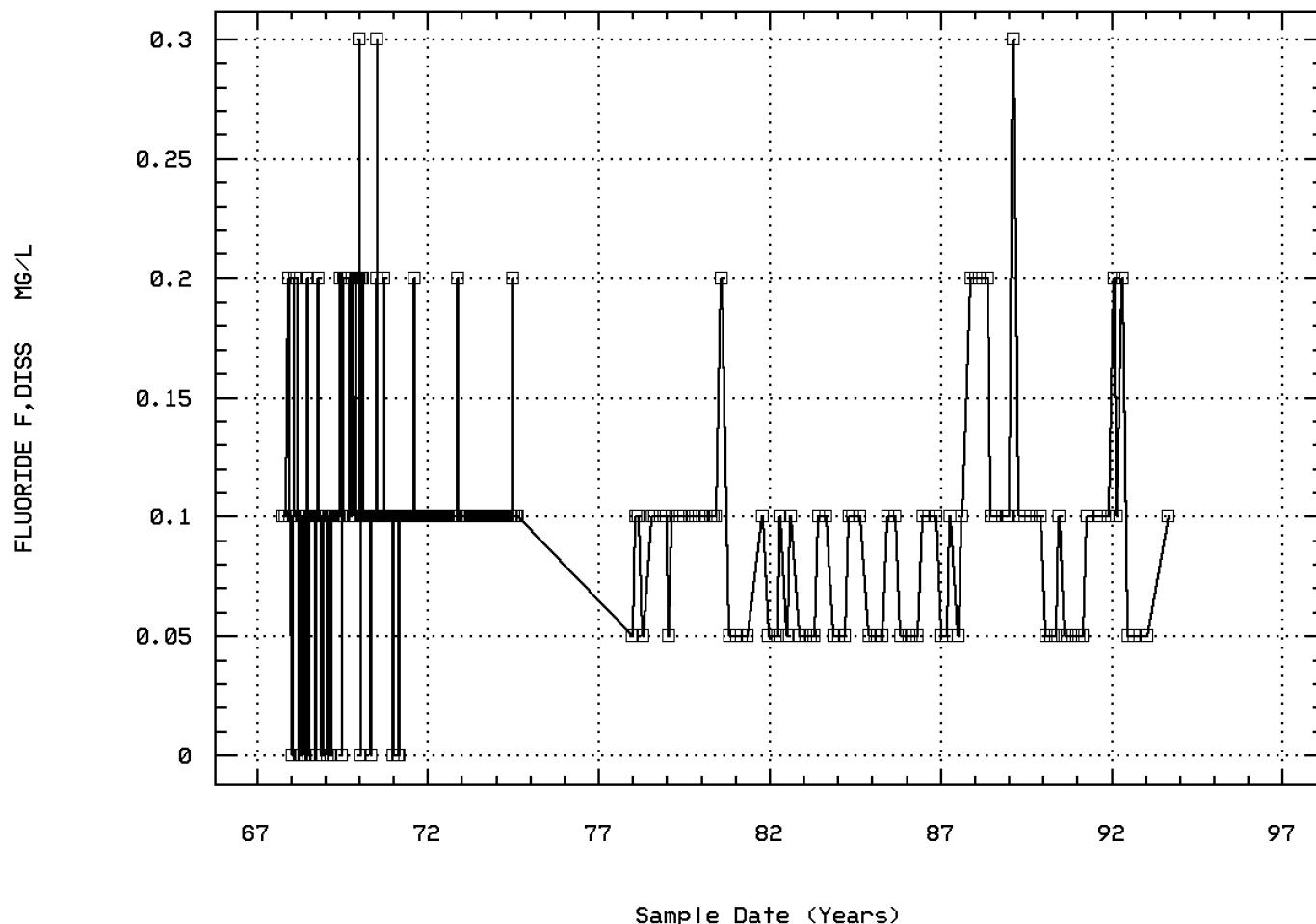
SULFATE, TOTAL (MG/L AS SO₄)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00950

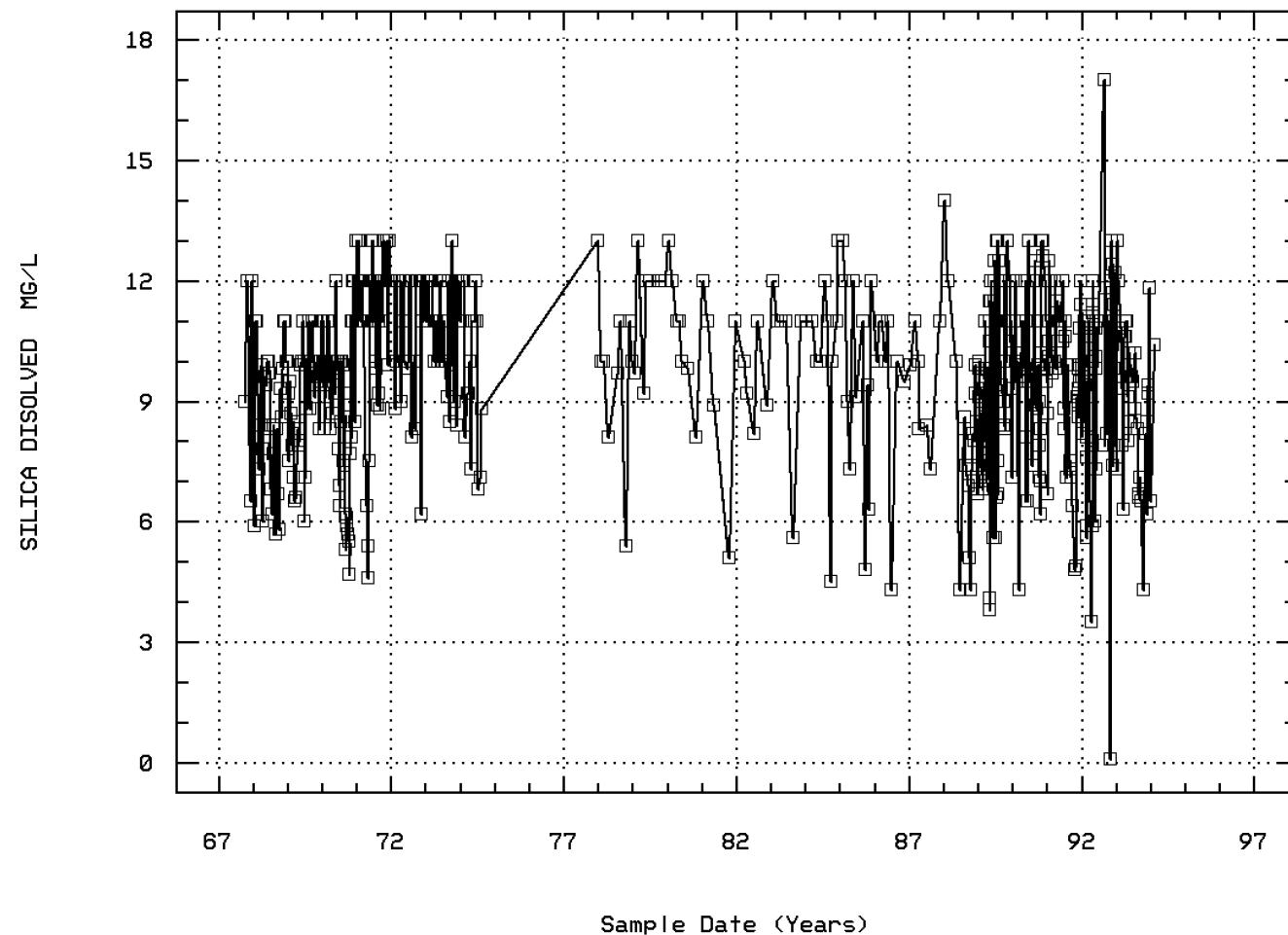
FLUORIDE, DISSOLVED (MG/L AS F)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00955

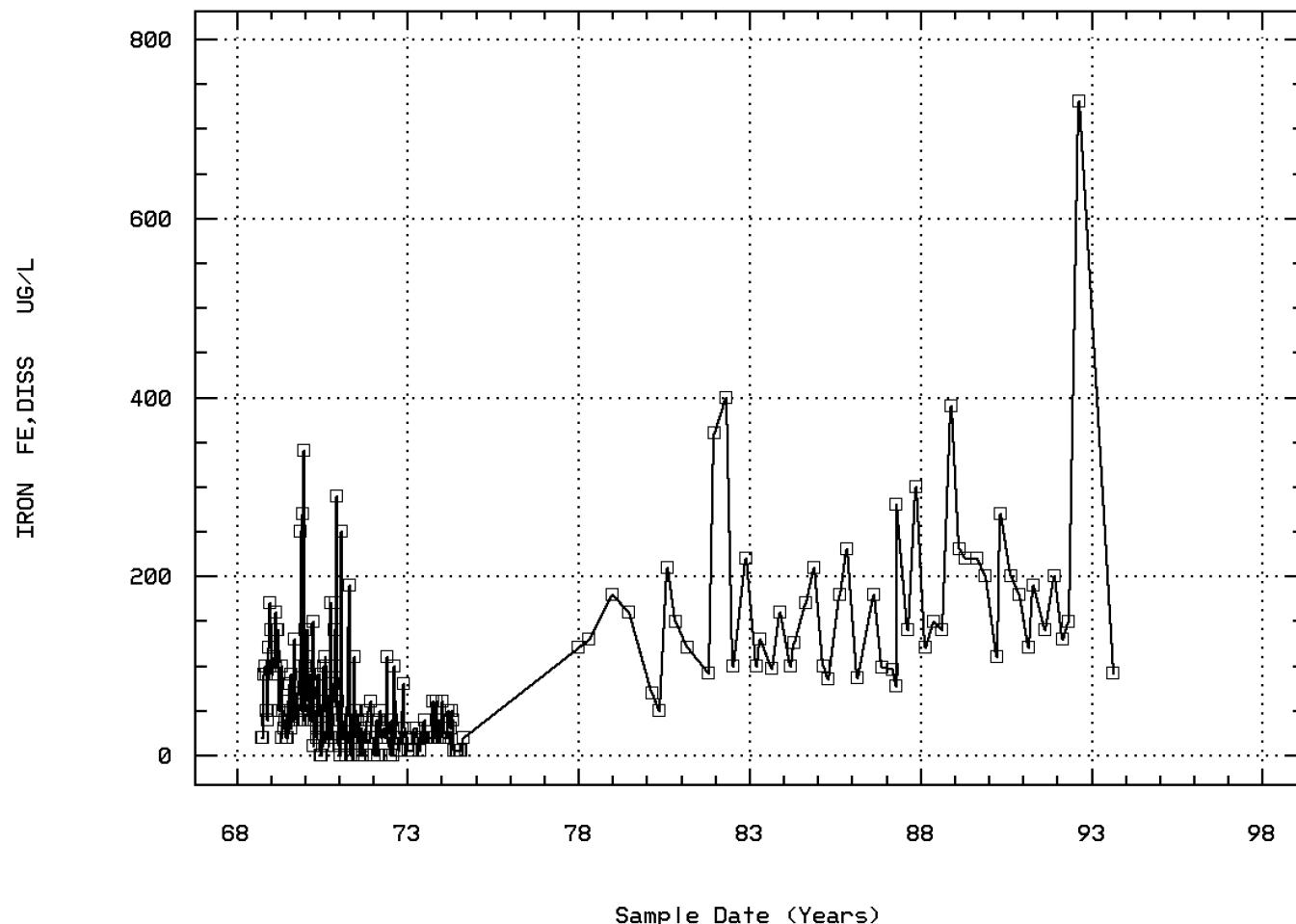
SILICA, DISSOLVED (MG/L AS SI02)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 01046

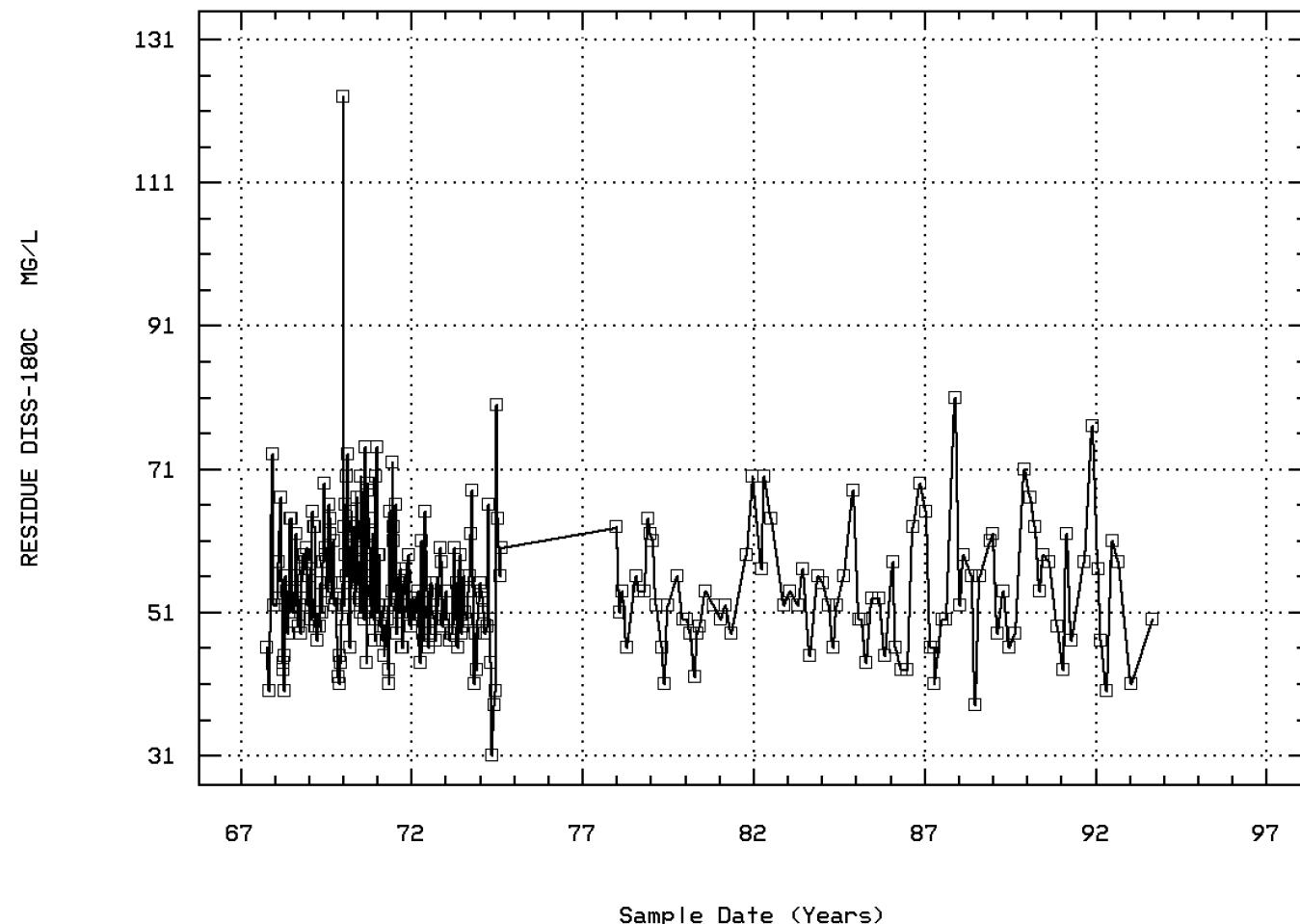
IRON, DISSOLVED (UG/L AS FE)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 70300

RESIDUE, TOTAL FILTRABLE (DRIED AT 180C)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Annual Analysis for 1967 - Station FRSP0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	4	6.	8.75	18.	5.	38.25	6.185	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY CFS	10/04/67-08/15/74	4	935.	4837.	17100.	378.	67003836.	8185.587	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	10/04/67-08/15/74	4	13.5	36.75	110.	10.	2388.917	48.877	**	**	**	**
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	4	56.5	59.25	68.	56.	34.25	5.852	**	**	**	**
00400p PH (STANDARD UNITS)	10/04/67-04/28/94	4	6.7	6.8	7.5	6.3	0.26	0.51	**	**	**	**
00400p CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	4	6.689	6.628	7.5	6.3	0.3	0.547	**	**	**	**
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	4	0.205	0.236	0.501	0.032	0.039	0.199	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	4	16.5	16.25	21.	11.	18.25	4.272	**	**	**	**
00440 BICARBONATE ION (MG/L AS HCO3)	10/04/67-04/25/78	4	20.	20.	26.	14.	26.667	5.164	**	**	**	**
00445 CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	4	0.	0.	0.	0.	0.	0.	**	**	**	**
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	10/04/67-06/25/79	4	0.025	0.093	0.32	0.	0.023	0.152	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	4	21.	21.25	23.	20.	2.25	1.5	**	**	**	**
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	4	4.5	5.25	12.	0.	28.917	5.377	**	**	**	**
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	4	5.45	5.575	6.	5.4	0.082	0.287	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	4	1.8	1.8	2.	1.6	0.033	0.183	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	4	2.85	2.625	3.	1.8	0.309	0.556	**	**	**	**
00931 SODIUM ADSORPTION RATIO	10/04/67-11/05/85	4	0.3	0.275	0.3	0.2	0.002	0.05	**	**	**	**
00932 SODIUM, PERCENT	10/04/67-11/05/85	4	21.5	19.75	22.	14.	14.917	3.862	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	4	1.1	1.125	1.9	0.4	0.403	0.634	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	4	3.5	3.75	5.	3.	0.917	0.957	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	4	6.	6.5	10.	4.	6.333	2.517	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	4	0.1	0.125	0.2	0.1	0.003	0.05	**	**	**	**
00955p SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	4	10.5	9.875	12.	6.5	7.063	2.658	**	**	**	**
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	4	49.	52.75	73.	40.	206.25	14.361	**	**	**	**
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	4	43.	43.	45.	41.	5.333	2.309	**	**	**	**
70302 SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	4	122.2	915.325	3370.	46.9	2681857.849	1637.638	**	**	**	**
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	4	0.065	0.07	0.1	0.05	0.	0.022	**	**	**	**
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/04/67-08/15/74	4	1.1	1.575	3.8	0.3	2.769	1.664	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station FRSP0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	5	4.	5.2	13.	1.	21.2	4.604	**	**	**	**
00060 FLOW, STREAM, MEAN DAILY CFS	10/04/67-08/15/74	5	3170.	4222.	8810.	1390.	10367370.	3219.84	**	**	**	**
00080 COLOR (PLATINUM-COBALT UNITS)	10/04/67-08/15/74	32	17.5	21.438	80.	5.	309.867	17.603	5.	8.5	27.25	43.5
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	32	74.	71.938	91.	48.	135.093	11.623	55.9	62.25	82.	86.
00400p PH (STANDARD UNITS)	10/04/67-04/28/94	32	7.1	7.103	7.5	6.4	0.058	0.24	6.73	7.	7.275	7.4
00400p CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	32	7.1	7.027	7.5	6.4	0.064	0.253	6.73	7.	7.275	7.4
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	32	0.079	0.094	0.398	0.032	0.005	0.072	0.04	0.053	0.1	0.187
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	32	21.	21.719	31.	12.	23.628	4.861	14.3	18.	25.	28.
00440 BICARBONATE ION (MG/L AS HCO3)	10/04/67-04/25/78	32	26.	26.5	38.	15.	35.355	5.946	17.3	22.	31.	34.
00445 CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	32	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	10/04/67-06/25/79	32	0.01	0.023	0.17	0.	0.002	0.042	0.	0.	0.	0.02
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	32	24.5	24.563	30.	19.	8.254	2.873	20.	22.	27.	28.
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	32	2.5	3.281	14.	0.	12.015	3.466	0.	0.	5.	7.7
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	32	6.5	6.403	8.	4.4	0.791	0.89	4.78	6.	7.	7.48
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	32	2.1	2.075	3.2	1.	0.247	0.497	1.46	1.7	2.375	2.84
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	32	3.2	3.344	4.8	2.	0.371	0.609	2.56	3.	3.7	4.1
00931 SODIUM ADSORPTION RATIO	10/04/67-11/05/85	32	0.3	0.294	0.4	0.2	0.003	0.056	0.2	0.3	0.3	0.4
00932 SODIUM, PERCENT	10/04/67-11/05/85	32	21.	21.094	27.	16.	6.862	2.62	18.	19.	23.	24.
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	32	2.	2.138	3.9	0.8	0.939	0.969	0.8	1.2	3.1	3.5
00940 CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	32	5.	4.625	6.	3.	0.5	0.707	4.	4.	5.	5.7
00945 SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	32	6.	6.188	14.	3.	4.802	2.191	4.	5.	7.	9.
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	32	0.1	0.081	0.2	0.	0.004	0.064	0.	0.	0.1	0.2
00955p SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	32	8.5	8.556	11.	5.7	3.137	1.771	5.83	6.925	9.975	11.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1968 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	9	90.	77.778	170.	20.	2494.444	49.944	20.	30.	110.	170.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	32	53.	53.844	67.	40.	39.104	6.253	44.3	51.	58.	63.4
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	32	48.5	48.031	54.	38.	23.128	4.809	39.6	45.	52.	53.7
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	5	454.	664.002	1590.01	165.	343938.13	586.462	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	32	0.07	0.073	0.09	0.05	0.	0.009	0.06	0.07	0.08	0.087
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/04/67-08/15/74	32	1.4	1.463	3.2	0.1	0.917	0.957	0.3	0.625	2.475	2.7

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Annual Analysis for 1969 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	7	5.	5.929	10.	2.5	8.536	2.922	**	**	**	**
00060	FLOW, STREAM, MEAN DAILY CFS	10/04/67-08/15/74	10	821.	963.4	2230.	372.	359253.378	599.377	377.	435.5	1247.5	2176.
00080	COLOR (PLATINUM-COBALT UNITS)	10/04/67-08/15/74	36	20.	19.611	45.	3.	127.959	11.312	6.4	10.	25.	41.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	36	68.5	69.833	86.	57.	67.343	8.206	58.	64.25	75.5	84.
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	36	7.1	7.092	7.3	6.9	0.012	0.111	6.9	7.	7.2	7.2
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	36	7.1	7.078	7.3	6.9	0.012	0.111	6.9	7.	7.2	7.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	36	0.079	0.084	0.126	0.05	0.	0.022	0.063	0.063	0.1	0.126
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	36	19.5	19.694	26.	11.	12.39	3.52	16.	17.	21.75	25.
00440	BICARBONATE ION (MG/L AS HCO3)	10/04/67-04/25/78	36	23.5	23.944	32.	14.	17.368	4.168	19.	21.	26.75	30.
00445	CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	36	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/04/67-06/25/79	36	0.	0.016	0.19	0.	0.001	0.035	0.	0.	0.018	0.05
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	36	24.	24.444	30.	20.	6.311	2.512	22.	22.	26.	28.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	36	4.	4.972	12.	0.	8.828	2.971	2.	2.25	7.75	9.3
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	36	6.7	6.619	8.2	5.2	0.651	0.807	5.37	6.	7.275	7.8
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	36	1.8	1.933	2.8	1.	0.189	0.435	1.37	1.6	2.3	2.53
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	36	3.4	3.392	4.4	2.3	0.205	0.453	2.8	3.	3.7	3.9
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	36	0.3	0.294	0.4	0.2	0.001	0.033	0.27	0.3	0.3	0.3
00932	SODIUM, PERCENT	10/04/67-11/05/85	36	22.	21.611	29.	16.	6.416	2.533	18.4	20.	23.	24.3
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	36	1.95	1.903	3.4	0.8	0.437	0.661	1.14	1.525	2.3	2.82
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	36	4.	4.278	6.	3.	0.606	0.779	3.	4.	5.	5.3
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	36	7.	7.056	11.	4.	3.025	1.739	5.	6.	8.	9.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	36	0.1	0.128	0.2	0.	0.004	0.061	0.07	0.1	0.2	0.2
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	36	9.55	9.097	11.	6.	1.89	1.375	6.95	8.075	10.	11.
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	36	75.	91.944	340.	20.	5136.111	71.667	27.	40.	107.5	187.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	36	53.5	54.389	69.	41.	47.959	6.925	44.7	50.	59.75	64.3
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	36	49.	48.222	56.	42.	16.863	4.107	43.	44.	51.75	54.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	10	113.	127.24	301.	52.3	7208.987	84.906	52.39	57.7	163.25	296.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	36	0.07	0.074	0.09	0.06	0.	0.009	0.06	0.07	0.08	0.09
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/04/67-08/15/74	36	1.9	1.953	4.7	0.	1.507	1.228	0.27	1.1	2.8	3.56

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	52	15.75	15.712	28.5	1.5	91.072	9.543	1.5	6.625	26.25	26.5
00060	FLOW, STREAM, MEAN DAILY CFS	10/04/67-08/15/74	52	1245.	1675.596	9100.	98.	3235228.638	1798.674	156.	402.	2400.	3689.
00080	COLOR (PLATINUM-COBALT UNITS)	10/04/67-08/15/74	52	15.	17.077	80.	0.	193.327	13.904	5.	5.	25.	30.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	52	71.	75.058	188.	62.	316.33	17.786	63.3	68.	77.5	87.4
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	52	6.9	6.908	7.5	6.3	0.065	0.255	6.6	6.725	7.1	7.2
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	52	6.9	6.834	7.5	6.3	0.071	0.266	6.6	6.725	7.1	7.2
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	52	0.126	0.147	0.501	0.032	0.009	0.093	0.063	0.079	0.189	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	52	20.	20.442	32.	11.	24.526	4.952	15.3	16.	24.75	28.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1970 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00440	BICARBONATE ION (MG/L AS HCO3)	10/04/67-04/25/78	52	24.	24.885	39.	14.	35.163	5.93	18.3	20.	29.75	34.1
00445	CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	52	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/04/67-06/25/79	52	0.01	0.03	0.32	0.	0.003	0.056	0.	0.	0.03	0.08
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	52	26.	26.404	56.	20.	25.54	5.054	22.	24.	28.	30.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	52	6.	6.077	36.	0.	33.68	5.803	0.	2.	9.75	12.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	52	6.55	6.708	14.	4.	2.274	1.508	5.33	5.6	7.4	8.4
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	52	2.3	2.34	5.2	1.3	0.426	0.653	1.7	1.9	2.675	3.07
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	52	3.6	3.848	12.	2.9	1.706	1.306	3.	3.125	3.9	4.57
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	52	0.3	0.327	0.7	0.2	0.005	0.072	0.3	0.3	0.3	0.4
00932	SODIUM, PERCENT	10/04/67-11/05/85	52	22.	22.135	30.	17.	7.06	2.657	19.	21.	23.75	26.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	52	1.75	2.075	4.1	0.7	1.128	1.062	0.9	1.125	2.9	3.87
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	52	5.	5.519	36.	3.	19.353	4.399	4.	4.	6.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	52	7.	7.135	14.	4.	3.923	1.981	5.	5.25	8.75	10.
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	52	0.1	0.11	0.3	0.	0.003	0.053	0.1	0.1	0.1	0.2
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	52	9.55	9.127	12.	4.7	3.733	1.932	5.96	7.875	10.75	11.7
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	52	60.	69.231	290.	0.	2822.926	53.131	13.	32.5	97.5	140.
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	10/04/67-08/23/93	52	58.5	60.019	123.	44.	134.568	11.6	50.	53.25	64.75	70.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	52	50.	51.385	110.	43.	81.732	9.041	46.	48.	52.	56.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	52	171.	306.677	3020.	15.9	213259.505	461.8	24.98	58.875	397.25	644.4
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	52	0.08	0.081	0.17	0.	0.007	0.017	0.07	0.07	0.09	0.1
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/04/67-08/15/74	52	2.2	2.252	5.2	0.	1.961	1.4	0.1	1.1	3.475	4.17

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	41	19.	15.61	26.	1.5	75.381	8.682	2.7	6.25	24.	25.
00060	FLOW, STREAM, MEAN DAILY CFS	10/04/67-08/15/74	41	1100.	1721.122	10600.	260.	3444641.81	1855.975	387.2	631.	2350.	3692.
00080	COLOR (PLATINUM-COBALT UNITS)	10/04/67-08/15/74	41	7.	12.317	50.	0.	154.722	12.439	3.	5.	15.	33.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	41	70.	68.878	84.	56.	35.36	5.946	60.2	65.5	73.	76.6
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	41	6.8	6.817	7.4	6.4	0.048	0.219	6.5	6.7	7.	7.1
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	41	6.8	6.765	7.4	6.4	0.051	0.225	6.5	6.7	7.	7.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	41	0.158	0.172	0.398	0.04	0.007	0.085	0.079	0.1	0.2	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	41	18.	18.683	25.	13.	10.372	3.221	15.	16.	21.	23.
00440	BICARBONATE ION (MG/L AS HCO3)	10/04/67-04/25/78	41	22.	22.756	31.	16.	15.439	3.929	18.	19.5	26.	28.
00445	CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	41	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71/02/01/94	7	0.6	0.557	0.7	0.2	0.033	0.181	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/04/67-06/25/79	34	0.005	0.018	0.12	0.	0.001	0.031	0.	0.	0.02	0.085
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	41	23.	22.927	28.	17.	6.12	2.474	20.	21.5	25.	26.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	41	4.	4.39	12.	0.	10.544	3.247	0.	2.	6.	9.6
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	41	5.8	5.78	7.6	4.4	0.508	0.713	4.82	5.25	6.2	6.76
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	41	2.	2.08	2.6	1.5	0.055	0.235	1.82	1.9	2.2	2.4
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	41	3.2	3.18	4.3	2.1	0.257	0.507	2.26	2.85	3.6	3.7
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	41	0.3	0.288	0.4	0.2	0.002	0.046	0.2	0.3	0.3	0.3
00932	SODIUM, PERCENT	10/04/67-11/05/85	41	22.	21.561	26.	16.	6.502	2.55	18.	20.	23.	25.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	41	1.5	1.663	3.1	1.	0.265	0.515	1.1	1.2	2.	2.36
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	41	4.	4.146	6.	2.	0.828	0.91	3.	4.	5.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	41	7.	6.659	11.	2.	3.88	1.97	4.	5.	8.	9.8
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	41	0.1	0.098	0.2	0.	0.001	0.027	0.1	0.1	0.1	0.1
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	41	11.	10.939	13.	4.6	4.068	2.017	7.76	10.5	12.	13.
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	41	20.	40.	250.	0.	3430.	58.566	0.	10.	40.	100.
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	10/04/67-08/23/93	41	52.	52.927	72.	41.	39.77	6.306	46.	49.	56.5	62.6
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	41	49.	48.073	56.	32.	29.82	5.461	42.	44.5	52.5	53.8
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	41	154.	251.622	1490.	36.5	76729.771	277.001	50.3	81.55	333.5	539.2
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	41	0.07	0.072	0.1	0.06	0.	0.009	0.06	0.07	0.08	0.088
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/04/67-08/15/74	34	2.45	2.471	5.	0.	2.308	1.519	0.2	0.875	3.825	4.45

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Annual Analysis for 1972 - Station FRSP0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	23	14.	14.087	25.	2.	52.378	7.237	4.5	7.	21.5	24.3
00060 FLOW, STREAM, MEAN DAILY CFS	10/04/67-08/15/74	23	1740.	3162.	22800.	318.	21976640.727	4687.925	494.8	920.	2900.	6914.
00080 COLOR (PLATINUM-COBALT UNITS)	10/04/67-08/15/74	23	15.	18.609	80.	0.	264.067	16.25	5.	10.	25.	33.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	23	66.	67.304	83.	57.	40.676	6.378	58.6	63.	70.	77.6
00400p PH (STANDARD UNITS)	10/04/67-04/28/94	23	6.9	6.804	7.2	6.3	0.042	0.206	6.54	6.6	6.9	7.06
00400p CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	23	6.9	6.755	7.2	6.3	0.045	0.212	6.54	6.6	6.9	7.06
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	23	0.126	0.176	0.501	0.063	0.009	0.096	0.088	0.126	0.251	0.29
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	23	18.	18.	25.	11.	15.455	3.931	11.8	15.	21.	24.6
00440 BICARBONATE ION (MG/L AS HCO3)	10/04/67-04/25/78	23	22.	21.783	30.	13.	22.36	4.729	14.2	18.	25.	29.6
00445 CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	23	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	23	0.5	0.505	1.	0.02	0.053	0.231	0.14	0.4	0.6	0.8
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	23	21.	21.	24.	18.	4.818	2.195	18.	19.	23.	24.
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	23	3.	3.261	8.	0.	6.747	2.598	0.	2.	6.	7.6
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	23	5.3	5.283	6.2	4.4	0.357	0.597	4.48	4.8	5.8	6.2
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	23	2.	1.926	2.3	1.4	0.057	0.238	1.54	1.8	2.1	2.26
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	23	3.2	3.309	4.	2.3	0.198	0.445	2.74	3.	3.7	4.
00931 SODIUM ADSORPTION RATIO	10/04/67-11/05/85	23	0.3	0.317	0.4	0.2	0.002	0.049	0.3	0.3	0.3	0.4
00932 SODIUM, PERCENT	10/04/67-11/05/85	23	24.	23.478	27.	19.	4.079	2.02	20.4	22.	25.	26.
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	23	1.7	1.791	3.4	1.1	0.489	0.699	1.1	1.2	2.	3.14
00940 CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	23	3.	3.609	5.	2.	0.704	0.839	3.	3.	4.	5.
00945 SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	23	7.	6.913	11.	4.	3.719	1.929	4.4	5.	8.	9.6
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	23	0.1	0.104	0.2	0.1	0.	0.021	0.1	0.1	0.1	0.1
00955p SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	23	11.	10.617	12.	6.2	2.757	1.66	8.18	9.8	12.	12.
01046 IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	23	20.	31.087	110.	0.	886.265	29.77	0.	20.	40.	92.
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	23	51.	52.217	65.	44.	26.451	5.143	46.4	48.	55.	60.6
70301 SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	23	47.	46.435	54.	40.	12.53	3.54	41.4	44.	49.	51.2
70302 SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	23	247.	456.952	3570.	40.4	526320.944	725.48	70.4	127.	416.	939.2
70303 SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	23	0.07	0.07	0.09	0.06	0.	0.007	0.06	0.07	0.07	0.08
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/04/67-08/15/74	6	2.45	2.3	3.1	0.9	0.588	0.767	**	**	**	**

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Annual Analysis for 1973 - Station FRSP0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	24	12.5	14.313	27.	0.	74.887	8.654	2.25	8.	22.5	26.25
00060 FLOW, STREAM, MEAN DAILY CFS	10/04/67-08/15/74	19	1230.	1867.789	6920.	470.	2798429.287	1672.851	510.	664.	3220.	3930.
00080 COLOR (PLATINUM-COBALT UNITS)	10/04/67-08/15/74	24	21.5	20.333	35.	7.	61.362	7.833	10.	12.75	26.5	30.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	24	65.5	66.833	84.	58.	38.493	6.204	60.5	62.	70.	76.
00400p PH (STANDARD UNITS)	10/04/67-04/28/94	24	6.75	6.792	7.3	6.5	0.043	0.208	6.5	6.7	6.975	7.1
00400p CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	24	6.747	6.749	7.3	6.5	0.045	0.213	6.5	6.7	6.975	7.1
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	24	0.179	0.178	0.316	0.05	0.006	0.075	0.082	0.106	0.2	0.316
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	24	17.5	18.875	27.	14.	16.375	4.047	15.	16.	23.75	25.
00440 BICARBONATE ION (MG/L AS HCO3)	10/04/67-04/25/78	24	21.5	22.833	33.	17.	25.101	5.01	18.	19.	28.75	30.5
00445 CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	24	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	24	0.45	0.435	0.8	0.	0.047	0.217	0.12	0.3	0.6	0.7
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	6 ##	0.008	0.008	0.01	0.005	0.	0.003	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	24	20.	20.958	24.	17.	4.911	2.216	18.	20.	23.5	24.
00902 HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	24	2.5	2.542	8.	0.	5.737	2.395	0.	0.	4.	6.
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	24	5.2	5.288	6.3	4.4	0.266	0.516	4.65	4.9	5.8	5.95
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	24	1.9	1.871	2.4	1.4	0.072	0.268	1.45	1.7	2.	2.25
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	24	3.3	3.296	4.	2.5	0.154	0.393	2.75	3.	3.575	3.85
00931 SODIUM ADSORPTION RATIO	10/04/67-11/05/85	24	0.3	0.308	0.4	0.3	0.001	0.028	0.3	0.3	0.3	0.35
00932 SODIUM, PERCENT	10/04/67-11/05/85	24	24.	23.875	26.	22.	1.592	1.262	22.	22.25	25.	25.
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	24	1.65	1.621	2.9	0.8	0.333	0.577	1.	1.1	2.1	2.4
00940 CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	24	4.	4.083	5.	3.	0.341	0.584	3.	4.	4.	5.
00945 SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	24	6.5	6.292	10.	4.	2.563	1.601	4.	5.	7.	8.5

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Annual Analysis for 1973 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	24	0.1	0.1	0.1	0.1	0.	0.	0.1	0.1	0.1	0.1
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	24	11.	10.788	13.	8.4	1.641	1.281	8.75	10.	12.	12.
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	24	20.	22.708	60.	5.	223.868	14.962	5.	20.	27.5	50.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	24	50.	51.792	68.	41.	37.998	6.164	44.5	48.	55.75	61.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	24	46.	46.375	54.	42.	10.592	3.255	42.5	43.25	48.	51.5
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	19	163.	261.984	1010.	64.7	58542.806	241.956	74.4	86.2	424.	531.
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	24	0.07	0.071	0.09	0.06	0.	0.007	0.06	0.07	0.078	0.08
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/04/67-08/15/74	24	2.	1.933	3.5	0.	0.926	0.962	0.55	1.3	2.7	3.1

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Annual Analysis for 1974 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	16	17.	14.906	27.	2.	79.874	8.937	4.1	6.	22.	26.3
00060	FLOW, STREAM, MEAN DAILY CFS	10/04/67-08/15/74	16	1170.	1690.25	5030.	304.	1884169.533	1372.651	344.6	691.	2535.	4274.
00080	COLOR (PLATINUM-COBALT UNITS)	10/04/67-08/15/74	16	15.	15.5	30.	4.	73.2	8.556	4.7	7.	24.5	26.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	16	66.	67.75	84.	55.	62.067	7.878	58.5	63.25	72.	83.3
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	12	6.8	6.783	7.1	6.6	0.023	0.153	6.6	6.625	6.9	7.04
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	12	6.8	6.76	7.1	6.6	0.024	0.155	6.6	6.625	6.9	7.04
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	12	0.158	0.174	0.251	0.079	0.003	0.057	0.093	0.126	0.238	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	16	19.	19.375	27.	13.	13.85	3.722	14.4	16.25	21.	25.6
00440	BICARBONATE ION (MG/L AS HCO3)	10/04/67-04/25/78	16	23.	23.563	33.	16.	20.129	4.487	17.4	20.25	26.	30.9
00445	CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	7##	0.005	0.016	0.08	0.005	0.001	0.028	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	16	0.58	0.527	0.9	0.16	0.057	0.239	0.167	0.333	0.72	0.83
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	7	0.4	0.386	0.6	0.2	0.028	0.168	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	16##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.009	0.013
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	16	22.	22.563	30.	19.	7.596	2.756	19.7	20.	24.	27.2
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	16	2.5	3.313	8.	0.	7.429	2.726	0.	1.25	6.	8.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	16	5.65	5.663	7.8	4.9	0.492	0.701	4.97	5.1	5.925	6.75
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	16	2.05	2.081	2.6	1.5	0.096	0.31	1.71	1.8	2.3	2.6
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	16	3.45	3.494	4.5	2.5	0.219	0.468	2.85	3.225	3.75	4.22
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	16	0.3	0.325	0.4	0.3	0.002	0.045	0.3	0.3	0.375	0.4
00932	SODIUM, PERCENT	10/04/67-11/05/85	16	23.5	23.5	27.	21.	3.867	1.966	21.	22.	24.75	27.
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	16	1.5	1.669	2.8	1.1	0.318	0.564	1.1	1.2	2.15	2.59
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	16	4.	4.188	6.	3.	0.829	0.911	3.	3.25	5.	5.3
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	16	6.5	6.438	12.	4.	4.929	2.22	4.	4.	7.75	9.9
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	16	0.1	0.106	0.2	0.1	0.001	0.025	0.1	0.1	0.1	0.13
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	16	10.5	9.906	12.	6.8	3.475	1.864	7.01	8.275	11.75	12.
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	15	20.	23.667	60.	5.	344.524	18.561	5.	5.	40.	54.
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	16	52.	52.438	80.	31.	139.329	11.804	35.9	45.	59.	70.2
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	16	47.5	47.625	55.	41.	13.05	3.612	42.4	45.25	50.	52.2
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	16	169.	238.369	747.	52.5	46003.064	214.483	56.77	75.85	311.25	716.9
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	16	0.07	0.071	0.11	0.04	0.	0.017	0.047	0.063	0.08	0.096
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/04/67-08/15/74	16	2.55	2.338	4.	0.7	1.108	1.053	0.77	1.5	3.2	3.65

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Annual Analysis for 1977 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	1	2470.	2470.	2470.	2470.	0.	0.	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	1	78.	78.	78.	78.	0.	0.	**	**	**	**

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Annual Analysis for 1977 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	1	14.2	14.2	14.2	14.2	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	1	7.1	7.1	7.1	7.1	0.	0.	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	1	0.079	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/04/67-04/25/78	1	29.	29.	29.	29.	0.	0.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	1	0.03	0.03	0.03	0.03	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	1	25.	25.	25.	25.	0.	0.	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	1	6.4	6.4	6.4	6.4	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	1	2.2	2.2	2.2	2.2	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	1	3.7	3.7	3.7	3.7	0.	0.	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	10/04/67-11/05/85	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	1	5.	5.	5.	5.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	1	## 0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	1	13.	13.	13.	13.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	1	120.	120.	120.	120.	0.	0.	**	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	1	63.	63.	63.	63.	0.	0.	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	1	53.	53.	53.	53.	0.	0.	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	1	420.	420.	420.	420.	0.	0.	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	1	0.09	0.09	0.09	0.09	0.	0.	**	**	**	**

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Annual Analysis for 1978 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	8	10.	11.688	26.5	0.5	103.567	10.177	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	12	1455.	2413.667	12800.	256.	11871654.242	3445.527	281.2	433.	2722.5	10013.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	5	7.	14.	40.	3.	232.	15.232	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	8	72.5	72.75	86.	58.	109.071	10.444	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	8	11.85	11.538	14.5	7.2	6.348	2.52	**	**	**	**
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	8	7.	7.038	8.	6.	0.474	0.689	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	8	7.	6.647	8.	6.	0.648	0.805	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	8	0.1	0.225	1.	0.01	0.107	0.327	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	8	19.	18.5	28.	9.	28.571	5.345	**	**	**	**
00440	BICARBONATE ION (MG/L AS HCO3)	10/04/67-04/25/78	3	22.	19.	24.	11.	49.	7.	**	**	**	**
00445	CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	3	0.	0.	0.	0.	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	8	0.31	0.396	0.95	0.13	0.068	0.26	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	8	0.05	0.059	0.13	0.01	0.002	0.043	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	8	0.01	0.018	0.06	0.005	0.	0.018	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	6	2.65	3.883	11.	1.	13.614	3.69	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	8	23.5	23.5	28.	20.	7.429	2.726	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	8	5.	5.25	11.	0.	15.929	3.991	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	8	6.	6.038	7.2	5.1	0.443	0.665	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	8	2.05	2.063	2.4	1.7	0.057	0.239	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	8	3.35	3.45	4.7	2.6	0.503	0.709	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	8	0.3	0.313	0.4	0.3	0.001	0.035	**	**	**	**
00932	SODIUM, PERCENT	10/04/67-11/05/85	8	21.5	21.75	25.	19.	5.929	2.435	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	8	2.55	2.325	3.3	1.2	0.676	0.822	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	8	4.5	4.5	6.	3.	1.429	1.195	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	8	6.	6.	9.	4.	2.857	1.69	**	**	**	**

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Annual Analysis for 1978 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	8	0.1	0.094	0.1	0.05	0.	0.018	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	8	10.	9.4	11.	5.4	3.426	1.851	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	2	155.	155.	180.	130.	1250.	35.355	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	8	54.	55.125	64.	46.	32.982	5.743	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	8	45.5	44.875	50.	37.	20.696	4.549	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	8	140.5	197.875	483.	37.3	25922.865	161.006	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	8	0.07	0.074	0.09	0.06	0.	0.009	**	**	**	**

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Annual Analysis for 1979 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	7	15.5	10.714	18.	-1.	69.488	8.336	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	11	1920.	2676.182	5240.	488.	3015880.364	1736.629	600.4	1130.	4550.	5214.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	7	5.	12.429	42.	2.	234.286	15.306	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	7	60.	63.571	85.	53.	115.619	10.753	**	**	**	**
00300'	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	7	10.6	11.157	13.6	8.2	4.663	2.159	**	**	**	**
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	7	6.8	6.814	7.2	6.4	0.085	0.291	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	7	6.8	6.731	7.2	6.4	0.093	0.305	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	7	0.158	0.186	0.398	0.063	0.016	0.125	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	7	18.	17.	20.	12.	9.667	3.109	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	2	0.01	0.01	0.02	0.	0.	0.014	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	7	0.29	0.281	0.46	0.13	0.019	0.139	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	2	0.6	0.6	0.6	0.6	0.	0.	**	**	**	**
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/04/67-06/25/79	3	0.09	0.183	0.4	0.06	0.035	0.188	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	7	0.03	0.057	0.13	0.02	0.002	0.046	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	7	0.01	0.023	0.08	0.01	0.001	0.026	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	6	3.9	4.633	11.	1.2	14.595	3.82	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	7	22.	21.429	23.	20.	1.952	1.397	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	7	4.	4.429	11.	0.	16.952	4.117	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	7	5.7	5.529	5.9	5.1	0.119	0.345	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	7	1.9	1.9	2.1	1.7	0.023	0.153	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	7	3.1	3.443	5.4	2.7	0.816	0.903	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	7	0.3	0.329	0.5	0.3	0.006	0.076	**	**	**	**
00932	SODIUM, PERCENT	10/04/67-11/05/85	7	24.	25.286	32.	20.	22.905	4.786	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	7	1.4	1.357	1.7	1.	0.09	0.299	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	7	4.	4.571	10.	3.	6.286	2.507	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	7	5.	5.286	7.	4.	1.905	1.38	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	7	0.1	0.093	0.1	0.05	0.	0.019	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	7	12.	11.414	13.	9.2	1.955	1.398	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	1	160.	160.	160.	160.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	7	52.	51.143	61.	41.	42.143	6.492	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	7	44.	44.143	49.	38.	13.81	3.716	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	7	205.	374.857	773.	125.	78836.81	280.779	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	7	0.07	0.07	0.08	0.06	0.	0.008	**	**	**	**

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Annual Analysis for 1980 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	7	14.5	12.929	25.5	2.	74.786	8.648	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	10	1055.	1169.6	2960.	201.	834436.489	913.475	202.7	371.75	1900.	2881.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	7	1.6	2.9	12.	0.6	16.497	4.062	**	**	**	**

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Annual Analysis for 1980 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	7	61.	61.714	78.	52.	69.905	8.361	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	6	10.45	10.9	13.5	7.6	4.776	2.185	**	**	**	**
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	7	6.7	6.743	7.4	6.4	0.11	0.331	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	7	6.7	6.66	7.4	6.4	0.117	0.343	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	7	0.2	0.219	0.398	0.04	0.014	0.118	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	1	7.3	7.3	7.3	7.3	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	1	0.05	0.05	0.05	0.	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	6	16.5	17.5	24.	14.	13.1	3.619	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	7	0.02	0.021	0.06	0.	0.001	0.023	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	7	0.28	0.354	0.95	0.19	0.071	0.266	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	7	0.4	0.389	0.6	0.02	0.036	0.189	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	7	0.02	0.027	0.05	0.01	0.	0.014	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	7	0.01	0.016	0.03	0.01	0.	0.01	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	5	2.	1.98	3.3	0.8	1.032	1.016	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	7	20.	20.	22.	18.	2.333	1.528	**	**	**	**
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	7	3.	2.143	4.	0.	4.143	2.035	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	7	4.7	4.914	5.4	4.4	0.168	0.41	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	7	1.7	1.843	2.1	1.6	0.046	0.215	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	7	3.3	3.443	4.	2.7	0.23	0.479	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	7	0.3	0.343	0.4	0.3	0.003	0.053	**	**	**	**
00932	SODIUM, PERCENT	10/04/67-11/05/85	7	25.	26.857	37.	24.	20.476	4.525	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	7	1.1	1.543	2.8	0.9	0.643	0.802	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	7	4.	3.714	5.	3.	0.571	0.756	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	7	5.	5.571	8.	4.	2.286	1.512	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	7	0.1	0.107	0.2	0.05	0.002	0.045	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	7	11.	10.7	13.	8.1	2.537	1.593	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	4	110.	120.	210.	50.	5466.667	73.937	**	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	7	49.	49.	54.	42.	14.333	3.786	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	7	43.	44.	51.	39.	18.333	4.282	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	7	144.	167.443	336.	30.6	11786.806	108.567	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	7	0.07	0.069	0.07	0.06	0.	0.004	**	**	**	**

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Annual Analysis for 1981 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	5	6.	7.1	16.5	0.5	47.425	6.887	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	7	514.	559.714	1380.	135.	164933.238	406.12	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	5	1.4	5.04	20.	1.1	69.953	8.364	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	5	87.	83.4	100.	70.	172.8	13.145	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	5	12.8	12.26	14.	9.	4.388	2.095	**	**	**	**
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	5	7.4	7.6	8.5	7.1	0.285	0.534	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	5	7.4	7.426	8.5	7.1	0.323	0.568	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	5	0.04	0.037	0.079	0.003	0.001	0.028	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	4	7.3	7.475	8.1	7.2	0.182	0.427	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	4	7.289	7.362	8.1	7.2	0.2	0.447	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	4	0.051	0.043	0.063	0.008	0.001	0.026	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	5	0.05	0.07	0.14	0.02	0.003	0.052	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	5	0.37	0.384	0.76	0.14	0.054	0.233	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	5	0.6	0.49	0.8	0.5	0.096	0.309	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	5	0.03	0.045	0.1	0.005	0.002	0.039	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	5	0.01	0.013	0.03	0.005	0.	0.01	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	2	1.9	1.9	2.1	1.7	0.08	0.283	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	5	28.	25.4	31.	20.	25.8	5.079	**	**	**	**

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Annual Analysis for 1981 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	3	4.	4.333	7.	2.	6.333	2.517	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	5	7.1	6.36	7.7	4.6	1.978	1.406	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	5	2.4	2.32	2.9	1.7	0.202	0.449	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	5	4.8	4.44	5.2	3.3	0.783	0.885	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	5	0.4	0.4	0.5	0.3	0.005	0.071	**	**	**	**
00932	SODIUM, PERCENT	10/04/67-11/05/85	5	27.	25.8	27.	23.	3.2	1.789	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	5	1.8	1.96	2.7	1.4	0.373	0.611	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	5	6.	5.4	7.	4.	1.8	1.342	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	5	6.	6.8	11.	5.	6.2	2.49	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	5 ##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	5	11.	9.6	12.	5.1	7.605	2.758	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	3	120.	190.667	360.	92.	21701.333	147.314	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	5	52.	55.8	70.	48.	80.2	8.955	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	5	50.	50.6	59.	39.	59.3	7.701	**	**	**	**
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	4	49.45	49.248	96.5	1.59	1697.454	41.2	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	5	0.07	0.078	0.1	0.07	0.	0.013	**	**	**	**

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Annual Analysis for 1982 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	5	14.	17.9	26.5	10.	60.3	7.765	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	1	754.	754.	754.	0.	0.	**	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	5	1090.	2122.8	7340.	405.	8666706.7	2943.927	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	5	3.6	23.26	59.	2.2	800.228	28.288	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	5	80.	77.4	84.	66.	46.8	6.841	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	5	9.	8.6	10.7	6.7	2.695	1.642	**	**	**	**
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	5	7.3	7.26	7.5	6.9	0.053	0.23	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	5	7.3	7.207	7.5	6.9	0.057	0.238	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	5	0.05	0.062	0.126	0.032	0.001	0.038	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	5	7.4	7.42	7.8	7.1	0.082	0.286	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	5	7.4	7.35	7.8	7.1	0.088	0.297	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	5	0.04	0.045	0.079	0.016	0.001	0.026	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	5	0.04	0.056	0.13	0.01	0.002	0.047	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	5	0.5	0.486	0.73	0.2	0.055	0.236	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	5	0.5	0.56	1.	0.1	0.123	0.351	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	5	0.04	0.112	0.3	0.02	0.016	0.125	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	5	0.02	0.029	0.08	0.005	0.001	0.03	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	5	0.01	0.013	0.02	0.005	0.	0.007	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	5	26.	25.2	26.	22.	3.2	1.789	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	5	6.5	6.3	6.7	5.4	0.275	0.524	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	5	2.3	2.26	2.4	2.	0.023	0.152	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	5	3.8	3.72	4.4	3.1	0.277	0.526	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	5	0.4	0.36	0.4	0.3	0.003	0.055	**	**	**	**
00932	SODIUM, PERCENT	10/04/67-11/05/85	5	24.	22.8	25.	18.	7.7	2.775	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	5	1.6	1.76	3.	0.8	0.643	0.802	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	5	5.	4.6	5.	4.	0.3	0.548	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	5	7.	7.4	10.	6.	2.8	1.673	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	5 ##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	5	9.2	9.46	11.	8.2	1.158	1.076	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	3	220.	239.667	400.	99.	22940.333	151.461	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	4	60.5	60.75	70.	52.	62.25	7.89	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	4	48.5	47.5	51.	42.	15.	3.873	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	5	0.08	0.078	0.1	0.05	0.	0.019	**	**	**	**

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Annual Analysis for 1983 - Station FRSP0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	6	9.75	12.417	27.	0.5	95.742	9.785	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	6	749.5	751.5	759.	748.	17.9	4.231	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	7	1610.	2193.857	6008.	123.	4049658.476	2012.376	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	6	5.15	10.333	36.	2.	165.239	12.855	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	6	72.	70.5	76.	60.	34.7	5.891	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	6	10.9	10.4	13.6	7.4	5.056	2.249	**	**	**	**
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	6	6.95	7.	7.5	6.6	0.156	0.395	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	6	6.925	6.869	7.5	6.6	0.177	0.42	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	6	0.119	0.135	0.251	0.032	0.01	0.1	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	6	7.	6.983	7.4	6.6	0.118	0.343	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	6	6.989	6.876	7.4	6.6	0.131	0.362	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	6	0.103	0.133	0.251	0.04	0.009	0.096	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	6##	0.013	0.026	0.1	0.005	0.001	0.037	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	6	0.3	0.692	2.9	0.5	1.188	1.09	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	6	0.7	0.575	0.8	0.05	0.076	0.275	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	6	0.045	0.055	0.11	0.02	0.001	0.034	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	6	0.02	0.03	0.08	0.01	0.001	0.025	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	6	0.015	0.018	0.05	0.005	0.	0.017	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	2	24.	24.	24.	24.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	6	5.7	5.7	6.7	4.9	0.436	0.66	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	6	2.15	2.133	2.5	1.7	0.091	0.301	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	6	3.55	3.517	4.7	2.4	0.566	0.752	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	2	0.35	0.35	0.4	0.3	0.005	0.071	**	**	**	**
00932	SODIUM, PERCENT	10/04/67-11/05/85	2	23.5	23.5	24.	23.	0.5	0.707	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	6	1.35	1.567	2.6	1.1	0.315	0.561	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	6	4.5	4.333	5.	3.	0.667	0.816	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	6	9.	8.333	10.	6.	3.867	1.966	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	6##	0.05	0.067	0.1	0.05	0.001	0.026	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	6	11.	10.267	12.	5.6	5.387	2.321	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	4	115.	121.75	160.	97.	872.25	29.534	**	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	5	54.	52.8	57.	45.	22.7	4.764	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	2	48.5	48.5	49.	48.	0.5	0.707	**	**	**	**
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	1	0.07	0.07	0.07	0.07	0.	0.	**	**	**	**

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Annual Analysis for 1984 - Station FRSP0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	10	15.25	14.8	27.	2.	101.678	10.084	2.2	4.75	25.	26.8
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	1	27.	27.	27.	0.	0.	**	**	**	**	
00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	10	757.5	758.7	768.	754.	15.344	3.917	754.2	756.	760.25	767.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	10	647.5	1278.7	3620.	364.	1561524.678	1249.61	368.1	496.5	1820.	3611.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	10	3.75	5.75	18.	1.1	30.414	5.515	1.11	1.35	8.75	17.3
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	10	75.5	72.4	78.	60.	47.822	6.915	60.3	66.	78.	78.
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	10	9.45	10.14	13.4	6.7	7.078	2.66	6.75	7.8	13.	13.36
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	10	7.25	7.31	8.8	6.7	0.403	0.635	6.71	6.8	7.6	8.68
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	10	7.225	7.057	8.8	6.7	0.475	0.689	6.71	6.8	7.6	8.68
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	10	0.06	0.088	0.2	0.002	0.005	0.073	0.004	0.025	0.158	0.195
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	10	7.	7.19	8.7	6.4	0.372	0.61	6.45	6.9	7.3	8.59
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	10	7.	6.957	8.7	6.4	0.432	0.657	6.45	6.9	7.3	8.59
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	10	0.1	0.11	0.398	0.002	0.012	0.109	0.004	0.054	0.126	0.371
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	1	23.	23.	23.	23.	0.	0.	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	10##	0.018	0.048	0.14	0.005	0.003	0.058	0.005	0.005	0.123	0.139
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	6##	0.005	0.008	0.02	0.005	0.	0.006	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	10	0.4	0.43	0.7	0.2	0.033	0.183	0.2	0.275	0.6	0.69
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	10	0.4	0.43	0.9	0.05	0.071	0.266	0.05	0.238	0.625	0.88

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Annual Analysis for 1984 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	10	0.04	0.045	0.11	0.02	0.001	0.025	0.021	0.03	0.05	0.104
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	9	0.01	0.021	0.07	0.005	0.	0.021	0.005	0.005	0.03	0.07
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	10	0.01	0.017	0.07	0.005	0.	0.02	0.005	0.005	0.023	0.066
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	5	1.9	2.3	3.6	1.8	0.59	0.768	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	6	5.7	5.85	6.8	4.9	0.539	0.734	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	6	2.	2.083	2.4	1.8	0.066	0.256	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	6	3.65	3.683	4.2	3.4	0.078	0.279	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	6	1.4	1.483	2.2	1.1	0.17	0.412	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	6	4.5	4.5	5.	4.	0.3	0.548	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	6	6.	5.833	7.	4.	1.367	1.169	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	6##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	10/04/67-02/01/94	10	11.	10.35	13.	4.5	5.114	2.261	5.05	10.	11.25	12.9
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	4	148.	151.5	210.	100.	2355.667	48.535	**	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	10/04/67-08/23/93	6	53.5	54.833	68.	46.	53.767	7.333	**	**	**	**

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Annual Analysis for 1985 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	12	17.25	16.917	27.	1.	64.129	8.008	2.35	12.875	24.	26.4
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	6	21.5	18.167	27.	2.	89.367	9.453	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	12	758.5	758.583	776.	740.	108.811	10.431	741.5	753.25	768.	774.5
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	12	735.5	5602.75	49200.	95.	193790921.841	13920.881	196.1	456.25	2767.5	36972.
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	11	3.7	10.491	70.	1.2	408.123	20.202	1.36	2.	5.	59.4
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	12	72.5	73.25	100.	50.	125.477	11.202	56.	70.	74.75	94.6
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	12	10.	9.617	12.3	7.3	2.869	1.694	7.33	7.825	10.7	12.21
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	12	6.95	6.95	7.3	6.5	0.108	0.329	6.53	6.6	7.3	7.3
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	12	6.925	6.841	7.3	6.5	0.121	0.348	6.53	6.6	7.3	7.3
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	12	0.119	0.144	0.316	0.05	0.01	0.1	0.05	0.05	0.251	0.297
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	11	7.2	7.145	7.4	6.7	0.047	0.216	6.72	7.1	7.3	7.38
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	11	7.2	7.089	7.4	6.7	0.05	0.224	6.72	7.1	7.3	7.38
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	11	0.063	0.081	0.2	0.04	0.003	0.051	0.042	0.05	0.079	0.191
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	7	19.	18.714	25.	11.	19.905	4.461	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	12	0.035	0.045	0.18	0.005	0.003	0.053	0.005	0.006	0.048	0.162
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	12##	0.005	0.012	0.04	0.005	0.	0.012	0.005	0.005	0.018	0.037
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	12	0.5	0.667	2.3	0.2	0.357	0.597	0.2	0.3	0.7	2.
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	12	0.5	0.571	1.1	0.05	0.101	0.318	0.095	0.325	0.8	1.07
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	12	0.045	0.088	0.31	0.005	0.008	0.09	0.013	0.03	0.148	0.274
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	12	0.03	0.038	0.09	0.005	0.001	0.029	0.005	0.02	0.055	0.09
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	11	0.03	0.03	0.08	0.005	0.001	0.026	0.005	0.005	0.05	0.078
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	11	3.1	4.855	16.	1.8	17.141	4.14	1.84	2.	6.1	14.34
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	6	5.65	5.517	6.4	4.2	0.602	0.776	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	6	2.2	2.033	2.2	1.3	0.131	0.361	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	6	3.5	3.433	4.2	2.	0.595	0.771	**	**	**	**
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	1	0.2	0.2	0.2	0.	0.	0.	**	**	**	**
00932	SODIUM, PERCENT	10/04/67-11/05/85	1	18.	18.	18.	18.	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	6	1.8	1.867	2.7	1.2	0.415	0.644	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	6	4.5	4.333	5.	3.	0.667	0.816	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	6	7.	7.	10.	4.	4.4	2.098	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	6##	0.05	0.067	0.1	0.05	0.001	0.026	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	10/04/67-02/01/94	11	9.4	9.627	13.	4.8	7.066	2.658	5.1	7.3	12.	12.8
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	4	140.	148.75	230.	85.	4672.917	68.359	**	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), MG/L	10/04/67-08/23/93	6	50.	49.167	53.	44.	14.967	3.869	**	**	**	**
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	1	34.	34.	34.	34.	0.	0.	**	**	**	**

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Annual Analysis for 1986 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	8	11.75	13.	25.	0.5	93.	9.644	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	5	22.5	17.6	26.	3.	99.925	9.996	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	8	759.	761.	770.	756.	22.857	4.781	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	8	1016.5	1120.25	2360.	170.	815085.929	902.821	**	**	**	**
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	8	2.75	4.75	17.	1.6	26.589	5.156	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	8	83.	80.5	98.	63.	176.857	13.299	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	8	10.45	10.075	14.	6.4	7.265	2.695	**	**	**	**
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	8	7.1	7.2	8.2	6.8	0.189	0.434	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	8	7.1	7.082	8.2	6.8	0.205	0.452	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	8	0.079	0.083	0.158	0.006	0.002	0.047	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	8	7.65	7.788	8.8	7.3	0.198	0.445	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	8	7.647	7.659	8.8	7.3	0.217	0.466	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	8	0.023	0.022	0.05	0.002	0.	0.014	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	6	20.5	21.667	27.	17.	19.867	4.457	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	8	0.025	0.033	0.1	0.005	0.001	0.03	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	8##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	8	0.4	0.4	0.7	0.2	0.031	0.177	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	8	0.5	0.463	0.9	0.05	0.099	0.315	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	8	0.03	0.035	0.06	0.02	0.	0.016	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	7	0.02	0.02	0.04	0.01	0.	0.012	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	7##	0.005	0.011	0.03	0.005	0.	0.01	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	6	2.15	2.683	5.2	0.8	2.442	1.563	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	6	6.3	6.433	7.7	4.9	1.187	1.089	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	6	2.4	2.417	2.9	1.8	0.13	0.36	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	6	4.3	4.4	5.8	3.1	0.92	0.959	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	6	2.2	2.4	4.3	1.1	1.404	1.185	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	6	6.5	6.	7.	4.	1.6	1.265	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	6	9.5	8.833	12.	5.	6.167	2.483	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	6##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	8	10.	9.6	11.	4.3	4.923	2.219	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	3	98.	121.333	180.	86.	2617.333	51.16	**	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	6	52.	53.667	69.	43.	125.467	11.201	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	7	11.	14.643	28.	5.	73.393	8.567	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	6	12.5	15.333	30.	2.5	150.567	12.271	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	7	758.	760.857	778.	746.	134.81	11.611	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	7	1370.	4703.	24400.	86.	76831627.667	8765.365	**	**	**	**
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	7	4.3	25.786	100.	1.5	1395.985	37.363	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	7	77.	77.571	101.	54.	228.952	15.131	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	7	10.6	10.029	12.3	6.6	4.812	2.194	**	**	**	**
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	7	6.9	6.843	7.6	6.3	0.223	0.472	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	7	6.9	6.661	7.6	6.3	0.262	0.512	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	7	0.126	0.219	0.501	0.025	0.034	0.185	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	7	7.4	7.557	8.3	6.9	0.34	0.583	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	7	7.4	7.282	8.3	6.9	0.428	0.654	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	7	0.04	0.052	0.126	0.005	0.003	0.053	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	6	15.5	16.667	25.	10.	38.667	6.218	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	7	0.02	0.031	0.08	0.01	0.001	0.027	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	7##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	7	0.7	0.643	1.	0.2	0.063	0.251	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	7	0.5	0.507	0.9	0.05	0.105	0.325	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	7	0.07	0.12	0.42	0.02	0.02	0.143	**	**	**	**

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Annual Analysis for 1987 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	7	0.02	0.021	0.04	0.005	0.	0.014	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	7	0.01	0.014	0.03	0.005	0.	0.009	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	7	5.5	5.843	8.8	4.6	1.99	1.411	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	7	2.2	2.343	3.3	1.5	0.376	0.613	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	7	3.4	3.7	5.6	2.	1.35	1.162	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	7	2.2	2.214	3.5	1.1	0.761	0.873	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	7	5.	5.857	11.	3.	6.81	2.61	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	7	10.	10.571	15.	7.	7.286	2.699	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	7	0.1	0.093	0.2	0.05	0.003	0.053	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	7	9.9	9.414	11.	7.3	2.058	1.435	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	5	140.	178.8	300.	78.	10863.2	104.227	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	7	50.	54.143	81.	41.	196.476	14.017	**	**	**	**

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Annual Analysis for 1988 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	19	9.5	11.126	29.7	0.5	103.733	10.185	0.7	1.5	18.8	29.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	16	13.5	13.688	26.	3.	63.329	7.958	5.25	20.5	26.	
00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	19	764.	763.789	776.	753.	33.731	5.808	753.	760.	768.	771.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	19	399.	826.105	3980.	121.	888347.544	942.522	125.	179.	1400.	1600.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	7	6.	29.043	110.	0.7	2009.943	44.832	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	19	90.	89.632	135.	70.	192.912	13.889	73.	83.	92.	103.
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	18	10.55	10.272	14.8	6.4	6.163	2.483	6.67	8.425	12.1	13.54
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	19	7.	6.989	7.7	6.5	0.109	0.33	6.5	6.7	7.2	7.4
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	19	7.	6.877	7.7	6.5	0.122	0.35	6.5	6.7	7.2	7.4
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	19	0.1	0.133	0.316	0.02	0.01	0.098	0.04	0.063	0.2	0.316
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	7	7.6	7.671	8.1	7.3	0.086	0.293	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	7	7.6	7.595	8.1	7.3	0.093	0.304	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	7	0.025	0.025	0.05	0.008	0.	0.015	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/88-02/01/94	14	3.	19.5	100.	0.5	895.462	29.924	0.5	1.	44.	75.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/88-02/01/94	14	2.	4.036	14.	0.5	19.826	4.453	0.5	0.875	7.75	12.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/16/88-02/01/94	14	2.	15.714	86.	0.5	649.951	25.494	0.5	0.5	36.25	63.
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	19	0.03	0.061	0.26	0.005	0.006	0.075	0.005	0.02	0.09	0.26
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	19##	0.005	0.007	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	15	0.1	0.235	0.57	0.02	0.062	0.249	0.02	0.02	0.56	0.57
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	19	0.3	0.431	1.2	0.1	0.114	0.338	0.18	0.2	0.5	1.1
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	19	0.2	0.325	0.9	0.02	0.096	0.309	0.02	0.02	0.6	0.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	19	0.05	0.083	0.3	0.01	0.008	0.09	0.02	0.02	0.1	0.3
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	7	0.02	0.029	0.05	0.005	0.	0.017	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	19	0.01	0.017	0.05	0.005	0.	0.013	0.005	0.005	0.03	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	14	3.5	4.55	14.	2.1	10.41	3.227	2.3	2.675	4.925	10.85
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	7	6.7	6.457	7.6	5.4	0.803	0.896	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	7	2.5	2.514	2.7	2.2	0.031	0.177	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	7	4.2	4.286	5.3	3.	0.658	0.811	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	7	1.8	2.129	3.5	1.4	0.572	0.757	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	7	6.	5.	7.	1.	4.667	2.16	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	7	10.	10.143	17.	6.	14.143	3.761	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	7	0.1	0.143	0.2	0.1	0.003	0.053	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	19	8.2	8.142	14.	4.3	5.768	2.402	4.3	6.8	9.2	12.
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	4	145.	200.	390.	120.	16200.	127.279	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	7	56.	54.857	62.	38.	66.81	8.174	**	**	**	**

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Annual Analysis for 1989 - Station FRSP0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	68	14.9	14.185	27.5	0.	55.727	7.465	3.75	6.675	20.4	24.33
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	64	18.75	17.003	31.5	-4.	75.929	8.714	6.75	10.625	23.	27.75
00025 BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	68	760.5	759.882	773.	747.	35.21	5.934	752.	755.	764.	768.
00061 FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	67	2650.	5607.463	54100.	394.	85346994.01	9238.344	812.	1040.	6840.	11140.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	11	14.8	35.964	96.	1.1	1253.979	35.412	1.58	4.5	65.	91.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	68	77.	77.015	138.	46.	238.462	15.442	59.9	65.75	81.	92.2
00300 OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	67	9.5	10.021	14.2	6.9	4.704	2.169	7.6	8.1	11.9	13.52
00400p PH (STANDARD UNITS)	10/04/67-04/28/94	67	7.3	7.317	8.1	6.4	0.139	0.373	6.786	7.1	7.6	7.8
00400p CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	67	7.3	7.151	8.1	6.4	0.167	0.409	6.786	7.1	7.6	7.8
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	67	0.05	0.071	0.398	0.008	0.006	0.075	0.016	0.025	0.079	0.164
00403 PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	15	7.2	7.373	8.	6.9	0.139	0.373	7.02	7.1	7.9	7.94
00403 CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	15	7.2	7.254	8.	6.9	0.154	0.393	7.02	7.1	7.9	7.94
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	15	0.063	0.056	0.126	0.01	0.001	0.035	0.012	0.013	0.079	0.098
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	11	19.	20.182	25.	16.	10.964	3.311	16.2	17.	24.	24.8
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/88-02/01/94	68	45.5	115.154	660.	0.5	23206.8	152.338	2.	6.25	183.	327.6
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/88-02/01/94	67	7.	14.552	68.	0.5	285.236	16.889	1.	2.	26.	39.2
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	08/16/88-02/01/94	66	38.5	103.017	592.	0.1	18849.583	137.294	0.5	3.75	167.25	309.
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	67	0.05	0.058	0.22	0.	0.002	0.046	0.02	0.02	0.09	0.12
00613 NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	67##	0.005	0.008	0.03	0.	0.	0.005	0.005	0.005	0.01	0.01
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	66	0.57	0.544	0.92	0.	0.032	0.18	0.277	0.458	0.653	0.773
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	67	0.5	0.722	2.6	0.	0.314	0.56	0.2	0.3	1.	1.64
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	66	0.6	0.553	0.9	0.	0.033	0.182	0.3	0.5	0.7	0.8
00665 PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	67	0.12	0.179	0.8	0.01	0.034	0.185	0.02	0.04	0.24	0.492
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	15	0.02	0.024	0.05	0.005	0.	0.015	0.008	0.01	0.04	0.05
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	67	0.015	0.018	0.05	0.005	0.	0.012	0.005	0.01	0.02	0.032
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	65	4.5	4.985	10.1	1.4	5.68	2.383	2.02	3.05	7.	8.3
00915 CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	5	6.4	6.88	8.	5.8	0.932	0.965	**	**	**	**
00925 MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	5	2.5	2.52	3.	2.	0.157	0.396	**	**	**	**
00930 SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	5	4.1	4.2	5.	3.5	0.41	0.64	**	**	**	**
00935 POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	5	1.8	1.74	2.	1.3	0.073	0.27	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	5	5.	5.6	7.	4.	1.342	**	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	5	7.	7.8	12.	5.	7.7	2.775	**	**	**	**
00950 FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	5	0.1	0.14	0.3	0.1	0.008	0.089	**	**	**	**
00955p SILICA, DISSOLVED (MG/L AS SiO2)	10/04/67-02/01/94	67	9.6	9.376	13.	3.8	4.338	2.083	6.78	7.7	11.	12.
01046 IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	4	220.	217.5	230.	200.	158.333	12.583	**	**	**	**
70300 RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	5	48.	53.4	71.	46.	105.8	10.286	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station FRSP0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	51	15.7	15.555	25.	1.	38.767	6.226	6.4	12.5	20.	24.8
00020 TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	50	18.25	17.702	29.	3.	52.866	7.271	7.1	11.75	23.275	26.
00025 BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	51	759.	759.078	772.	748.	38.434	6.199	750.	755.	763.	768.8
00061 FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	49	2010.	3700.51	25900.	335.	22756198.797	4770.346	579.	1065.	4300.	8900.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	9	10.	34.344	186.	4.3	3680.668	60.669	4.3	5.8	40.5	186.
00095p SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	51	75.	72.412	109.	40.	164.007	12.807	55.2	65.	82.	83.
00300 OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	50	9.9	9.642	14.5	6.	3.498	1.87	6.9	8.5	11.1	11.78
00400p PH (STANDARD UNITS)	10/04/67-04/28/94	51	7.13	7.121	8.4	5.8	0.181	0.426	6.62	6.9	7.3	7.6
00400p CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	51	7.13	6.883	8.4	5.8	0.239	0.489	6.62	6.9	7.3	7.6
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	51	0.074	0.131	1.585	0.004	0.054	0.231	0.025	0.05	0.126	0.241
00403 PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	32	6.8	6.956	7.8	6.4	0.161	0.401	6.53	6.7	7.1	7.7
00403 CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	32	6.8	6.826	7.8	6.4	0.178	0.422	6.53	6.7	7.1	7.7
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	32	0.158	0.149	0.398	0.016	0.009	0.095	0.02	0.079	0.2	0.297
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	26	18.	18.115	22.	10.	10.106	3.179	13.	16.75	21.	22.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/88-02/01/94	48	18.	101.063	844.	0.5	28762.092	169.594	2.	6.	130.5	272.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/88-02/01/94	48	7.	13.99	100.	0.5	390.526	19.762	1.	2.	16.75	38.2
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/16/88-02/01/94	42	14.	94.839	744.	0.25	24462.865	156.406	0.5	3.	119.5	235.4
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	50	0.025	0.045	0.27	0.005	0.002	0.048	0.02	0.02	0.05	0.07
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	50 ##	0.005	0.007	0.05	0.005	0.	0.007	0.005	0.005	0.005	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	43	0.6	0.562	1.02	0.02	0.066	0.257	0.044	0.48	0.71	0.866
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	50	0.4	0.612	2.8	0.1	0.267	0.517	0.2	0.3	0.925	1.2
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	50	0.6	0.575	1.	0.02	0.062	0.249	0.092	0.5	0.7	0.89
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	50	0.06	0.154	1.1	0.005	0.037	0.193	0.02	0.03	0.25	0.37
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	49	0.02	0.018	0.06	0.	0.	0.011	0.005	0.01	0.025	0.03
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	50	0.01	0.016	0.05	0.005	0.	0.011	0.005	0.009	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	47	3.7	4.415	19.	1.2	8.653	2.942	2.08	2.5	5.6	7.5
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	6	6.3	6.183	6.8	5.2	0.402	0.634	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	6	2.35	2.317	2.5	1.9	0.05	0.223	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	6	3.85	3.833	4.	3.7	0.015	0.121	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	6	1.9	1.767	2.	1.3	0.071	0.266	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	6	4.5	4.5	6.	3.	1.1	1.049	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	6	6.5	6.5	9.	5.	2.3	1.517	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	6 ##	0.05	0.058	0.1	0.05	0.	0.02	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	10/04/67-02/01/94	50	9.85	9.882	13.	4.3	3.978	1.994	7.01	8.875	11.25	12.45
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	4	190.	190.	270.	110.	4333.333	65.828	**	**	**	**
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	6	58.5	58.333	67.	49.	40.667	6.377	**	**	**	**

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Annual Analysis for 1991 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	45	11.	13.36	28.	1.	74.302	8.62	2.74	7.05	23.25	27.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	44	4.25	12.291	29.	-0.5	83.565	9.141	2.5	4.35	22.375	25.25
00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	45	761.	761.311	773.	745.	48.31	6.951	752.6	755.	767.	771.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	45	1740.	2766.356	23500.	121.	15869845.734	3983.697	155.2	460.5	3535.	6660.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	9	2.5	2.9	6.5	1.	2.553	1.598	1.	2.	3.55	6.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	45	78.	82.089	120.	58.	229.946	15.164	66.6	73.	89.5	110.
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	45	10.6	10.016	14.	5.7	6.355	2.521	6.72	7.35	11.3	14.
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	44	7.1	7.083	8.1	6.2	0.162	0.403	6.55	6.8	7.3	7.5
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	44	7.1	6.913	8.1	6.2	0.192	0.438	6.55	6.8	7.3	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	44	0.079	0.122	0.631	0.008	0.015	0.123	0.032	0.05	0.158	0.299
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	5	7.6	7.62	7.9	7.4	0.032	0.179	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	5	7.6	7.593	7.9	7.4	0.033	0.181	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	5	0.025	0.026	0.04	0.013	0.	0.01	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/88-02/01/94	42	17.5	56.012	310.	0.5	6576.36	81.095	1.5	1.5	73.75	211.7
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/88-02/01/94	42	3.5	10.262	120.	0.5	399.076	19.977	1.	1.5	10.25	33.1
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/16/88-02/01/94	35	24.	53.671	271.	1.5	5453.69	73.849	1.5	1.5	71.	209.6
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	43	0.03	0.04	0.1	0.005	0.001	0.027	0.02	0.02	0.06	0.086
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	43 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	36	0.605	0.53	0.86	0.005	0.084	0.29	0.02	0.425	0.75	0.836
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	43	0.3	0.481	1.6	0.04	0.146	0.383	0.2	0.2	0.6	1.12
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	43	0.6	0.539	0.9	0.02	0.085	0.292	0.02	0.4	0.8	0.9
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	43	0.05	0.125	0.5	0.01	0.021	0.144	0.02	0.03	0.18	0.436
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	41	0.02	0.025	0.08	0.005	0.	0.018	0.005	0.01	0.035	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	43	0.01	0.017	0.06	0.005	0.	0.012	0.005	0.01	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	41	3.3	3.69	8.1	1.2	2.471	1.572	1.92	2.8	4.3	6.44
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	5	6.1	6.32	8.1	5.2	1.187	1.089	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	5	2.2	2.34	2.9	2.1	0.113	0.336	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	5	3.9	4.52	6.5	3.3	1.602	1.266	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	5	1.2	2.04	4.3	1.1	1.883	1.372	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	5	5.	5.4	7.	4.	1.3	1.14	**	**	**	**

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Annual Analysis for 1991 - Station FRSP0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945	SULFATE, TOTAL (MG/L AS SO4)	5	6.	6.4	8.	5.	2.3	1.517	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	5	0.1	0.08	0.1	0.05	0.001	0.027	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SI02)	43	9.9	9.54	12.5	4.8	3.483	1.866	6.86	8.6	11.	12.
01046	IRON, DISSOLVED (UG/L AS FE)	4	165.	162.5	200.	120.	1491.667	38.622	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	5	58.	57.4	77.	43.	180.3	13.428	**	**	**	**

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Annual Analysis for 1992 - Station FRSP0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	55	11.	11.258	26.	2.	36.402	6.033	3.8	5.5	15.	20.2
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	55	13.	13.382	26.	0.	47.907	6.921	4.	8.	19.	22.5
00025	BAROMETRIC PRESSURE (MM OF HG)	55	762.	758.709	772.	668.	190.914	13.817	750.6	756.	765.	767.8
00061	FLOW, STREAM, INSTANTANEOUS CFS	55	3050.	4826.982	26600.	389.	31760026.352	5635.603	596.6	852.	5810.	13380.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	55	5.	5.4	6.62	15.	2.1	24.227	4.922	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	55	78.	75.527	95.	57.	85.402	9.241	62.	70.	82.	88.
00300	OXYGEN, DISSOLVED MG/L	55	10.2	10.475	14.4	7.4	3.114	1.765	8.16	9.1	11.8	13.
00400p	PH (STANDARD UNITS)	55	6.94	7.023	8.	6.1	0.154	0.392	6.56	6.8	7.38	7.5
00400p	CONVERTED PH (STANDARD UNITS)	55	6.94	6.867	8.	6.1	0.179	0.423	6.56	6.8	7.38	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	55	0.115	0.136	0.794	0.01	0.016	0.126	0.032	0.042	0.158	0.277
00403	PH, LAB, STANDARD UNITS SU	5	7.3	7.36	7.6	7.2	0.023	0.152	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	5	7.3	7.341	7.6	7.2	0.023	0.153	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	5	0.05	0.046	0.063	0.025	0.	0.014	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	54	42.5	49.611	695.	0.5	19522.28	139.722	1.5	5.7	123.25	282.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	54	7.	12.722	85.	0.	286.27	16.92	1.	1.375	16.	35.5
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	46	46.5	93.315	610.	1.	16789.982	129.576	1.35	4.75	118.	292.1
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	55 ##	0.02	0.036	0.14	0.005	0.001	0.028	0.02	0.02	0.05	0.08
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	55 ##	0.005	0.007	0.04	0.005	0.	0.007	0.005	0.005	0.005	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	47	0.65	0.581	0.88	0.02	0.048	0.22	0.228	0.41	0.72	0.832
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	55	0.4	0.581	2.5	0.05	0.318	0.564	0.1	0.2	0.8	1.34
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	55	0.7	0.588	0.9	0.02	0.05	0.223	0.2	0.5	0.7	0.8
00665	PHOSPHORUS, TOTAL (MG/L AS P)	55	0.1	0.176	0.8	0.005	0.036	0.19	0.016	0.03	0.28	0.482
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	52	0.02	0.023	0.09	0.005	0.	0.017	0.005	0.01	0.03	0.05
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	55	0.01	0.014	0.06	0.005	0.	0.011	0.005	0.005	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	54	4.8	9.285	106.	1.2	285.513	16.897	1.6	2.575	8.9	15.35
00915	CALCIUM, DISSOLVED (MG/L AS CA)	5	6.1	6.18	6.9	5.6	0.317	0.563	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	5	2.2	2.18	2.3	1.9	0.027	0.164	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	5	3.7	4.	5.	3.5	0.385	0.62	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	5	1.6	1.76	2.4	1.3	0.193	0.439	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	5	5.	4.8	6.	4.	0.7	0.837	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	5	7.	6.6	8.	4.	2.8	1.673	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	5	0.1	0.12	0.2	0.05	0.006	0.076	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SI02)	55	9.9	9.593	17.	0.1	6.534	2.556	5.96	8.1	11.	12.08
01046	IRON, DISSOLVED (UG/L AS FE)	3	150.	336.667	730.	130.	116133.333	340.783	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	5	57.	52.6	61.	40.	77.3	8.792	**	**	**	**

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Annual Analysis for 1993 - Station FRSP0045

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	32	13.15	14.125	27.	2.	73.757	8.588	3.65	6.	22.875	26.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	32	13.	13.097	25.	-2.	90.497	9.513	2.	7.25	22.375	25.
00025	BAROMETRIC PRESSURE (MM OF HG)	32	764.5	764.313	778.	746.	47.77	6.912	756.9	761.	766.75	775.7

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Annual Analysis for 1993 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	23	2080.	3818.957	20900.	159.	31624009.407	5623.523	228.	357.	3640.	15040.
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	27	4.6	32.4	180.	0.3	2534.295	50.342	1.28	1.8	54.	114.6
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	32	75.	77.188	115.	61.	149.383	12.222	63.3	67.25	85.	95.
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	31	8.9	9.697	15.	6.1	6.588	2.567	6.32	7.2	12.	12.94
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	32	7.075	7.198	8.	6.29	0.208	0.456	6.63	6.9	7.5	7.9
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	32	7.074	6.988	8.	6.29	0.254	0.504	6.63	6.9	7.5	7.9
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	32	0.084	0.103	0.513	0.01	0.011	0.107	0.013	0.032	0.126	0.236
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	2	7.2	7.2	7.5	6.9	0.18	0.424	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	2	7.104	7.104	7.5	6.9	0.199	0.446	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	2	0.079	0.079	0.126	0.032	0.004	0.067	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/88-02/01/94	28	4.5	43.696	314.	0.5	6785.951	82.377	1.4	1.5	46.5	150.3
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/88-02/01/94	28	1.5	5.589	33.	0.5	72.131	8.493	0.95	1.5	6.	15.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/16/88-02/01/94	26	6.5	41.673	282.	1.5	5723.479	75.654	1.5	1.5	49.25	163.2
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	31 ##	0.02	0.032	0.1	0.01	0.	0.02	0.02	0.02	0.04	0.06
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	31 ##	0.005	0.006	0.02	0.005	0.	0.003	0.005	0.005	0.005	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	29	0.47	0.43	0.91	0.02	0.099	0.315	0.02	0.04	0.69	0.84
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	31	0.3	0.368	1.5	0.1	0.08	0.282	0.2	0.2	0.4	0.7
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	31	0.5	0.436	0.9	0.02	0.104	0.323	0.02	0.025	0.7	0.88
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	31	0.04	0.082	0.39	0.01	0.009	0.093	0.02	0.02	0.1	0.244
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	31	0.02	0.016	0.05	0.005	0.	0.01	0.005	0.01	0.02	0.028
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	31	0.01	0.012	0.03	0.005	0.	0.008	0.005	0.005	0.02	0.028
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	29	3.3	4.134	11.9	0.	6.632	2.575	2.1	2.5	5.65	8.2
00915	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	2	5.75	5.75	6.1	5.4	0.245	0.495	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	2	2.3	2.3	2.3	2.3	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	2	4.15	4.15	4.8	3.5	0.845	0.919	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	2	1.75	1.75	2.4	1.1	0.845	0.919	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	2	5.	5.	5.	5.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	2	6.	6.	7.	5.	2.	1.414	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	10/04/67-02/01/94	31	9.1	8.903	13.	4.3	3.985	1.996	6.34	7.1	10.6	11.64
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	1	92.	92.	92.	92.	0.	0.	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	2	45.5	45.5	50.	41.	40.5	6.364	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	6	9.	10.5	21.	0.5	78.2	8.843	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	6	11.	11.667	23.	0.	107.467	10.367	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	6	768.5	763.	771.	744.	123.6	11.118	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	2	12.85	12.85	19.5	6.2	88.445	9.405	**	**	**	**
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	6	68.5	69.333	82.	62.	51.867	7.202	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	5	11.2	11.32	13.8	9.	5.532	2.352	**	**	**	**
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	6	7.55	7.517	7.7	7.1	0.05	0.223	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	6	7.547	7.461	7.7	7.1	0.053	0.231	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	6	0.028	0.035	0.079	0.02	0.001	0.023	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/16/88-02/01/94	2	20.5	20.5	35.	6.	420.5	20.506	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/16/88-02/01/94	2	4.5	4.5	7.	2.	12.5	3.536	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/16/88-02/01/94	2	16.	16.	28.	4.	288.	16.971	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	2 ##	0.026	0.026	0.031	0.02	0.	0.008	**	**	**	**
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	2 ##	0.004	0.004	0.005	0.003	0.	0.001	**	**	**	**
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	2	0.855	0.855	0.95	0.76	0.018	0.134	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	2	0.9	0.9	1.	0.8	0.02	0.141	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	1	0.06	0.06	0.06	0.06	0.	0.	**	**	**	**
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	2	0.02	0.02	0.03	0.01	0.	0.014	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

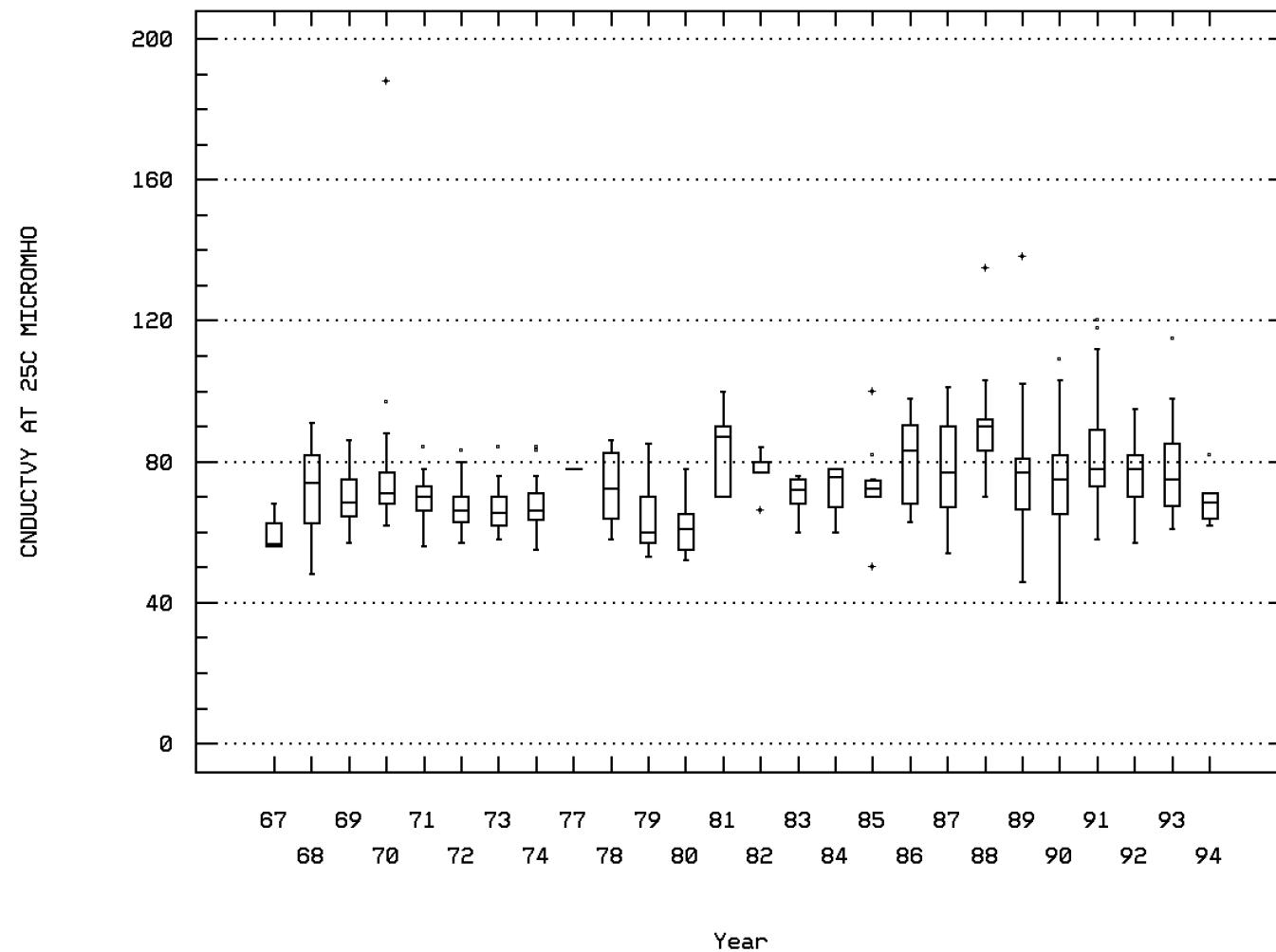
Annual Analysis for 1994 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	2	0.017	0.017	0.02	0.014	0.	0.004	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	2	3.8	3.8	4.2	3.4	0.32	0.566	**	**	**	**
00955p	SILICA, DISSOLVED (MG/L AS SiO2)	10/04/67-02/01/94	2	8.45	8.45	10.4	6.5	7.605	2.758	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: FRSP0045 Parameter Code: 00095

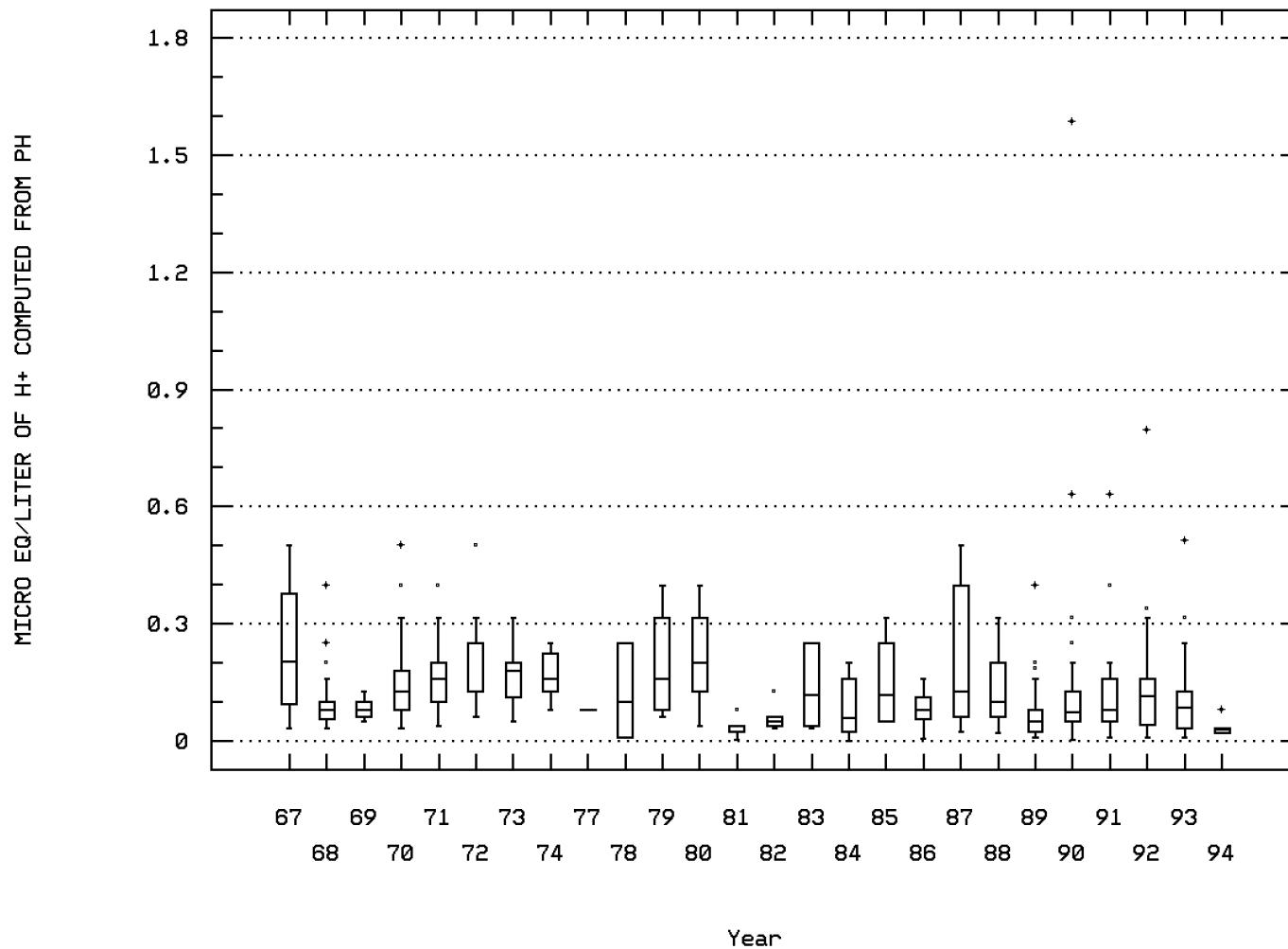
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00400

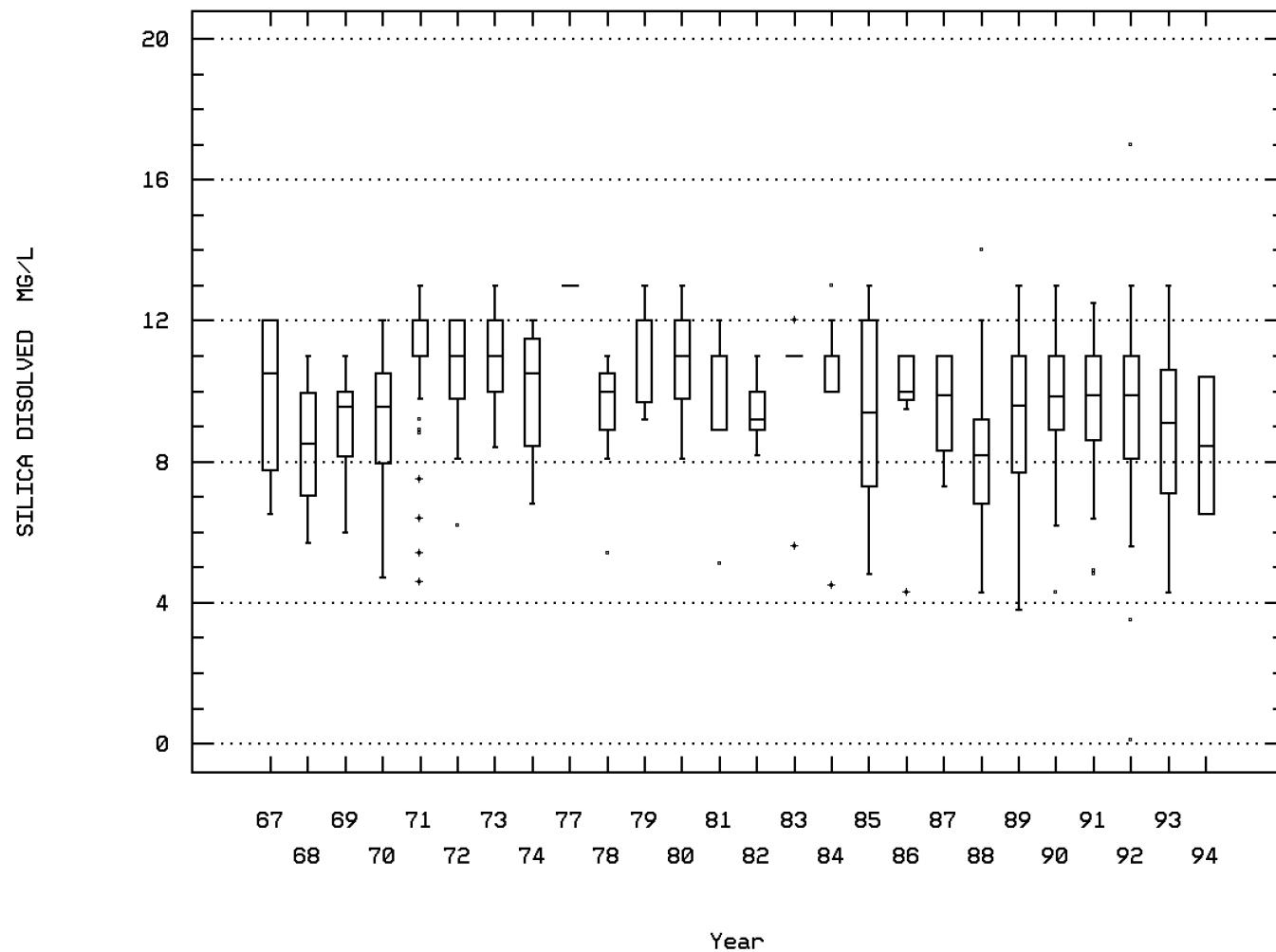
MICRO EQ/LITER OF H⁺ COMPUTED FROM PH



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00955

SILICA, DISSOLVED (MG/L AS SiO₂)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	123	24.5	23.398	29.7	9.8	13.168	3.629	17.94	21.5	26.	27.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	60	24.5	23.258	30.	9.	22.439	4.737	15.2	21.125	26.	29.
00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	69	761.	760.783	773.	751.	25.996	5.099	754.	757.	764.	768.
00060	FLOW, STREAM, MEAN DAILY CFS	10/04/67-08/15/74	50	444.	851.16	6710.	98.	1185215.239	1088.676	159.4	314.75	867.5	2298.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	80	481.	1439.3	14900.	86.	5728567.985	2393.443	146.4	315.5	1470.	3533.
00065	STAGE, STREAM (FEET)	04/18/83-04/28/94	20	1.895	1.966	2.86	1.34	0.23	0.48	1.43	1.61	2.228	2.777
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	34	2.4	11.662	65.	0.3	359.779	18.968	1.1	1.8	14.85	56.
00080	COLOR (PLATINUM-COBALT UNITS)	10/04/67-08/15/74	70	15.	16.814	50.	0.	139.777	11.823	5.	7.	25.	34.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	145	75.	75.503	138.	40.	152.932	12.367	61.2	69.	80.	88.
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	74	7.65	7.785	10.1	6.	0.967	0.984	6.55	7.15	8.425	9.2
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	141	7.1	7.081	8.8	5.8	0.155	0.394	6.6	6.815	7.3	7.5
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	141	7.1	6.899	8.8	5.8	0.188	0.434	6.6	6.815	7.3	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	141	0.079	0.126	1.585	0.002	0.03	0.173	0.032	0.05	0.153	0.251
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	26	7.2	7.358	8.7	6.6	0.281	0.53	6.67	6.975	7.725	8.16
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	26	7.2	7.123	8.7	6.6	0.338	0.582	6.67	6.975	7.725	8.16
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	26	0.063	0.075	0.251	0.002	0.005	0.072	0.007	0.019	0.106	0.215
00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/72-05/23/79	8	5.55	5.55	9.3	2.6	5.706	2.389	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	87	23.	22.31	32.	10.	18.31	4.279	16.	19.	25.	28.
00440	BICARBONATE ION (MG/L AS HC03)	10/04/67-04/25/78	70	29.	28.257	39.	18.	23.933	4.892	20.1	25.75	31.	34.
00445	CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	66	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00452	CARBONATE, WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/20/87-04/28/94	6	0.	0.	0.	0.	0.	0.	**	**	**	**
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HC03,MG/L	11/20/87-04/28/94	6	27.5	27.333	35.	21.	22.667	4.761	**	**	**	**
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	72	0.02	0.038	0.18	0.	0.001	0.033	0.005	0.02	0.05	0.08
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/30/77-08/26/92	12	0.03	0.04	0.1	0.01	0.001	0.029	0.01	0.02	0.065	0.094
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	71 ##	0.005	0.008	0.08	0.	0.	0.01	0.005	0.005	0.005	0.018
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	71	0.27	0.322	0.93	0.	0.073	0.27	0.02	0.02	0.59	0.678
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	74	0.3	0.478	1.8	0.	0.154	0.393	0.2	0.2	0.6	1.15
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	75	0.3	0.324	1.	0.	0.078	0.279	0.02	0.025	0.6	0.7
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/04/67-06/25/79	51	0.	0.018	0.2	0.	0.002	0.042	0.	0.	0.02	0.04
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/01/73-03/14/83	7	0.03	0.026	0.06	0.	0.001	0.027	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	74	0.05	0.103	0.6	0.	0.005	0.019	0.139	0.02	0.03	0.103
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	55	0.02	0.022	0.06	0.	0.005	0.	0.013	0.005	0.01	0.04
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	75	0.01	0.015	0.05	0.	0.	0.	0.01	0.005	0.005	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	65	3.2	5.205	73.2	0.	79.646	8.924	2.06	2.4	5.4	8.64
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	76	24.	24.5	32.	17.	10.787	3.284	20.	22.	26.75	29.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	74	2.	2.068	9.	0.	5.324	2.307	0.	0.	4.	6.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	88	6.1	6.231	8.8	4.4	1.008	1.004	4.89	5.55	6.95	7.8
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	88	2.15	2.133	3.5	1.	0.218	0.467	1.59	1.9	2.4	2.71
00930p	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	88	3.6	3.668	5.8	2.3	0.51	0.714	2.8	3.1	4.	4.71
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	76	0.3	0.312	0.4	0.2	0.003	0.054	0.27	0.3	0.3	0.4
00932	SODIUM, PERCENT	10/04/67-11/05/85	76	22.	21.711	26.	16.	6.955	2.637	18.	20.	24.	25.
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	88	2.45	2.501	4.3	1.1	0.424	0.651	1.7	2.	2.9	3.5
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	88	4.	4.432	7.	2.	1.03	1.015	3.	4.	5.	6.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	88	6.	6.068	12.	4.	2.547	1.596	4.	5.	7.	8.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	88	0.1	0.11	0.3	0.	0.002	0.047	0.1	0.1	0.1	0.2
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	143	8.9	8.948	17.	4.3	4.809	2.193	5.94	7.1	10.6	12.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/30/77-08/27/91	11	1.	0.909	2.	0.5	0.191	0.437	0.5	0.5	1.	1.8
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/30/77-08/23/93	13	17.	23.385	100.	10.	561.256	23.691	10.4	11.5	24.	70.4
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/24/82-08/27/91	9 ##	0.25	0.272	0.7	0.	0.033	0.18	0.	0.25	0.25	0.7
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/30/77-08/27/91	11 ##	0.5	0.682	2.	0.	0.264	0.513	0.1	0.5	1.	1.8
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/30/77-08/27/91	11 ##	0.5	3.045	20.	0.5	34.173	5.846	0.5	0.5	4.	17.
01035	COBALT, DISSOLVED (UG/L AS CO)	12/30/77-08/23/93	13 ##	1.5	1.346	1.5	0.	0.183	0.427	0.4	1.5	1.5	1.5
01040	COPPER, DISSOLVED (UG/L AS CU)	12/30/77-08/27/91	11	2.	2.636	7.	1.	4.255	2.063	1.	1.	3.	6.8
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	72	35.	66.569	730.	0.	9585.657	97.906	5.	20.	95.75	170.
01049	LEAD, DISSOLVED (UG/L AS PB)	12/30/77-08/27/91	11	1.	1.955	8.	0.	4.823	2.196	0.1	0.5	2.5	6.9
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/30/77-08/23/93	13	28.	33.923	160.	7.	1586.077	39.826	7.4	13.	33.5	116.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/24/82-08/23/93	11 ##	5.	5.455	10.	5.	2.273	1.508	5.	5.	5.	9.
01065	NICKEL, DISSOLVED (UG/L AS NI)	02/20/80-08/23/93	13	1.	1.269	3.	0.	0.859	0.927	0.2	0.5	2.	2.6
01075	SILVER, DISSOLVED (UG/L AS AG)	12/30/77-08/23/93	13 ##	0.5	0.5	1.	0.	0.042	0.204	0.2	0.5	0.5	0.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/24/82-08/23/93	11	37.	38.	47.	33.	21.6	4.648	33.	34.	41.	46.4
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/24/82-08/23/93	11 ##	3.	3.	3.	0.	0.	0.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/30/77-08/27/91	11	4.	5.227	18.	0.	23.168	4.813	0.3	2.	6.	16.
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/14/83-08/23/93	11	40.	35.909	100.	5.	614.091	24.781	6.	20.	40.	88.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/24/82-08/23/93	11 ##	2.	5.091	27.	2.	60.091	7.752	2.	2.	2.	23.8
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/30/77-08/23/93	13 ##	0.5	0.462	0.5	0.	0.019	0.139	0.2	0.5	0.5	0.5
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	12/30/77-04/28/94	18	16.5	152.389	1200.	1.	106062.016	325.672	7.3	10.75	42.5	714.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	12/30/77-04/28/94	18	1.217	1.461	3.079	0.	0.571	0.756	0.813	1.031	1.622	2.846
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM	GEOMETRIC MEAN =			28.933								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/30/77-04/28/94	18	78.5	151.556	700.	13.	30509.673	174.67	27.4	54.75	197.5	466.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/30/77-04/28/94	18	1.891	1.973	2.845	1.114	0.185	0.43	1.428	1.736	2.295	2.664
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	GEOMETRIC MEAN =			94.048								
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3, MG/L	11/20/87-04/28/94	6	23.	22.667	29.	18.	15.467	3.933	**	**	**	**
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	87	54.	55.483	80.	44.	47.415	6.886	48.	51.	60.	64.4
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	76	49.	49.	60.	41.	18.613	4.314	42.7	46.	52.	54.3
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	54	65.75	134.441	833.	15.9	28937.732	170.111	32.	46.9	148.25	388.5
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	76	0.07	0.075	0.11	0.05	0.	0.01	0.067	0.07	0.08	0.09
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/30/77-08/23/93	23	89.	86.	100.	37.	243.273	15.597	58.2	83.	97.	100.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/01/71-08/26/92	17	0.005	0.005	0.02	0.	0.	0.005	0.	0.002	0.006	0.01
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/05/79-12/04/85	4	0.05	0.068	0.17	0.	0.005	0.072	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/04/67-08/15/74	63	1.	1.348	5.2	0.	1.451	1.204	0.04	0.3	2.3	3.22
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/25/79-12/04/85	8	0.135	0.179	0.55	0.06	0.026	0.162	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/30/77-04/23/91	10 ##	0.05	0.11	0.6	0.05	0.03	0.173	0.05	0.05	0.063	0.55
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/30/77-08/23/93	23	6.	10.13	55.	2.	187.119	13.679	2.	4.	9.	37.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/30/77-11/05/85	4	21.	173.925	648.	5.7	99972.289	316.184	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	259	6.	6.949	25.	-1.	19.667	4.435	1.5	3.5	10.	13.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	141	8.	8.399	23.	-4.	36.237	6.02	2.	4.4	12.	17.
00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	159	762.	761.138	778.	668.	113.234	10.641	751.	756.	767.	771.
00060	FLOW, STREAM, MEAN DAILY CFS	10/04/67-08/15/74	83	1690.	2726.289	22800.	170.	11215939.745	3349.021	667.2	1050.	3020.	6160.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	170	2035.	3875.076	49200.	128.	33060837.61	5749.855	443.4	1055.	4555.	8507.
00065	STAGE, STREAM (FEET)	04/18/83-04/28/94	74	3.985	4.191	10.46	1.36	3.337	1.827	2.03	2.855	5.135	6.225
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	70	5.95	21.989	186.	0.6	1421.136	37.698	1.5	2.5	19.125	71.
00080	COLOR (PLATINUM-COBALT UNITS)	10/04/67-08/15/74	100	20.	20.09	110.	0.	274.871	16.579	5.	10.	25.	30.
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	276	75.	76.562	188.	48.	205.753	14.344	62.	67.	83.	90.3
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	173	11.8	11.82	15.	7.2	2.504	1.582	9.64	10.8	13.2	13.96
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	274	7.	7.046	8.5	6.1	0.149	0.386	6.6	6.8	7.22	7.6
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	274	7.	6.898	8.5	6.1	0.171	0.413	6.6	6.8	7.22	7.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	274	0.1	0.126	0.794	0.003	0.011	0.107	0.025	0.06	0.158	0.251
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	54	7.3	7.272	8.2	6.4	0.168	0.41	6.75	6.975	7.6	7.85
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	54	7.3	7.091	8.2	6.4	0.201	0.448	6.75	6.975	7.6	7.85
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	54	0.05	0.081	0.398	0.006	0.007	0.082	0.014	0.025	0.106	0.179
00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/72-05/23/79	25	5.6	5.596	10.	0.2	5.723	2.392	2.92	3.65	7.4	9.3
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	133	17.	17.752	30.	9.	14.627	3.825	13.	16.	20.	23.
00440	BICARBONATE ION (MG/L AS HCO3)	10/04/67-04/25/78	103	21.	21.214	36.	11.	17.817	4.221	16.	19.	24.	26.
00445	CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	103	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00452	CARBONATE,WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/20/87-04/28/94	16	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00453	BICARBONATE,WATER,DISS,INCR TIT, FIELD,AS HCO3, MG/L	11/20/87-04/28/94	16	23.	24.5	36.	18.	21.333	4.619	19.4	22.	28.25	32.5
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	166	0.02	0.048	0.27	0.	0.002	0.049	0.01	0.02	0.063	0.103
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/30/77-08/26/92	35	0.03	0.042	0.15	0.	0.002	0.041	0.005	0.01	0.06	0.12
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	151 ##	0.005	0.007	0.04	0.003	0.	0.005	0.005	0.005	0.005	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	153	0.64	0.595	1.02	0.005	0.054	0.232	0.264	0.485	0.76	0.836

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	172	0.4	0.561	2.9	0.04	0.247	0.497	0.2	0.2	0.7	1.2
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	166	0.7	0.615	1.1	0.02	0.062	0.25	0.2	0.5	0.8	0.9
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/04/67-06/25/79	67	0.01	0.036	0.32	0.	0.004	0.064	0.	0.	0.05	0.104
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/01/73-03/14/83	14	0.	0.017	0.06	0.	0.001	0.023	0.	0.	0.03	0.06
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	173	0.05	0.124	0.7	0.005	0.019	0.138	0.02	0.03	0.185	0.352
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	145	0.02	0.022	0.09	0.	0.	0.017	0.005	0.01	0.03	0.044
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	170	0.01	0.016	0.07	0.005	0.	0.013	0.005	0.005	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	148	4.	5.405	106.	0.8	79.737	8.93	1.7	2.6	6.075	8.11
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	121	23.	23.678	56.	16.	17.804	4.219	20.	21.5	26.	28.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	114	6.	6.105	36.	0.	20.768	4.557	0.5	3.	8.	11.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	148	6.	6.165	14.	4.	1.323	1.15	4.9	5.4	6.8	7.42
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	148	2.1	2.163	5.2	1.	0.215	0.464	1.7	1.9	2.4	2.7
00930p	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	148	3.5	3.628	12.	1.8	0.949	0.974	2.9	3.125	3.9	4.42
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	121	0.3	0.317	0.7	0.2	0.004	0.062	0.3	0.3	0.3	0.4
00932	SODIUM, PERCENT	10/04/67-11/05/85	121	23.	22.909	37.	14.	8.883	2.98	19.	21.	24.	26.
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	148	1.5	1.718	4.3	0.4	0.64	0.8	1.	1.2	2.	2.92
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	148	5.	5.149	36.	3.	7.883	2.808	4.	4.	6.	6.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	148	8.	7.73	17.	4.	4.96	2.227	5.	6.	9.	10.
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	148	0.1	0.098	0.3	0.	0.003	0.053	0.05	0.063	0.1	0.2
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	274	10.	9.96	14.	0.1	4.01	2.003	7.15	8.9	11.1	12.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/30/77-08/27/91	25 ##	0.5	0.76	3.	0.	0.503	0.709	0.5	0.5	0.75	1.8
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/30/77-08/23/93	27	20.	28.963	100.	10.	500.96	22.382	12.8	18.	30.	59.6
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/24/82-08/27/91	18 ##	0.25	0.278	0.5	0.25	0.007	0.081	0.25	0.25	0.25	0.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/30/77-08/27/91	25 ##	0.5	0.9	3.	0.	0.521	0.722	0.5	0.5	1.	2.
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/30/77-08/27/91	25 ##	0.5	2.14	10.	0.5	8.052	2.838	0.5	0.5	3.25	7.
01035	COBALT, DISSOLVED (UG/L AS CO)	12/30/77-08/23/93	27 ##	1.5	1.278	2.	0.	0.256	0.506	0.4	1.5	1.5	1.5
01040	COPPER, DISSOLVED (UG/L AS CU)	12/30/77-08/27/91	25	1.	1.74	5.	0.	2.023	1.422	0.5	0.75	2.	5.
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	119	80.	94.471	390.	0.	6747.811	82.145	20.	30.	130.	220.
01049	LEAD, DISSOLVED (UG/L AS PB)	12/30/77-08/27/91	25	2.5	3.9	27.	0.	36.604	6.05	0.5	0.75	4.	12.8
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/30/77-08/23/93	27	11.	17.852	62.	4.	187.746	13.702	7.8	9.	26.	40.4
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/24/82-08/23/93	20 ##	5.	5.25	10.	5.	1.25	1.118	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	02/20/80-08/23/93	25	1.	1.44	5.	0.	1.569	1.253	0.5	0.5	2.	3.4
01075	SILVER, DISSOLVED (UG/L AS AG)	12/30/77-08/23/93	27 ##	0.5	0.463	1.	0.	0.037	0.192	0.	0.5	0.5	0.5
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/24/82-08/23/93	20	34.5	35.4	55.	19.	66.884	8.178	24.4	31.25	40.75	46.7
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/24/82-08/23/93	20 ##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/30/77-08/27/91	25	7.	9.2	23.	0.	54.708	7.397	1.5	2.	16.5	20.4
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/14/83-08/23/93	19	40.	49.737	130.	5.	1531.871	39.139	5.	30.	60.	130.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/24/82-08/23/93	20 ##	2.	2.5	10.	2.	3.316	1.821	2.	2.	2.	3.8
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/30/77-08/23/93	27 ##	0.5	0.481	0.5	0.	0.009	0.096	0.5	0.5	0.5	0.5
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	12/30/77-04/28/94	47	25.	462.106	10800.	1.	2704743.184	1644.61	8.8	13.	260.	688.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	12/30/77-04/28/94	47	1.398	1.72	4.033	0.	0.688	0.83	0.944	1.114	2.415	2.814
31673	GM FECAL COLIFORM, MF,M-FC, 0.7 UM				52.54								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/30/77-04/28/94	47	42.	541.064	4500.	2.	1367703.757	1169.489	6.	15.	160.	2820.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/30/77-04/28/94	47	1.623	1.808	3.653	0.301	0.805	0.897	0.778	1.176	2.204	3.45
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR				64.324								
39086	ALKALINITY, WATER,DISS,INCR TIT,FIELD,AS CACO3,ML/G	11/20/87-04/28/94	16	19.	20.063	30.	15.	15.129	3.89	15.7	18.	23.25	26.5
70300p	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	147	53.	55.177	123.	40.	91.845	9.584	46.	50.	59.	67.
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	120	49.	48.975	110.	34.	49.117	7.008	43.	45.25	51.	53.9
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	98	238.	407.57	3570.	1.59	347614.413	589.588	74.13	131.5	428.	774.2
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	119	0.07	0.075	0.17	0.05	0.	0.013	0.06	0.07	0.08	0.09
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/30/77-08/23/93	51	95.	87.529	100.	40.	241.614	15.544	59.6	79.	100.	100.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/01/71-08/26/92	39	0.005	0.007	0.03	0.	0.	0.008	0.	0.003	0.006	0.02
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/05/79-12/04/85	13	0.03	0.048	0.18	0.	0.003	0.052	0.004	0.02	0.04	0.164
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/04/67-08/15/74	89	2.6	2.529	5.	0.	1.269	1.127	0.7	1.9	3.3	4.
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/25/79-12/04/85	17	0.12	0.196	0.95	0.015	0.056	0.238	0.027	0.06	0.23	0.654
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/30/77-04/23/91	25 ##	0.05	0.086	0.3	0.05	0.007	0.081	0.05	0.05	0.05	0.27
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/30/77-08/23/93	54	8.	34.481	350.	0.	5572.066	74.646	3.	4.	18.75	94.5
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/30/77-11/05/85	13	25.	110.348	462.	0.03	22466.666	149.889	0.254	7.95	202.	406.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/04/67-04/28/94	142	17.	17.668	28.	8.	21.927	4.683	12.12	14.	21.	24.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	06/14/84-04/28/94	84	21.	20.173	31.5	8.	25.332	5.033	13.75	16.5	23.425	25.5
00025	BAROMETRIC PRESSURE (MM OF HG)	11/24/82-04/28/94	92	758.5	758.402	775.	745.	36.617	6.051	749.3	754.25	762.	765.7
00060	FLOW, STREAM, MEAN DAILY CFS	10/04/67-08/15/74	37	1380.	2005.595	10600.	307.	3674149.192	1916.807	624.	845.	2385.	4042.
00061	FLOW, STREAM, INSTANTANEOUS CFS	12/30/77-09/27/93	98	2490.	5112.041	54100.	170.	71219803.503	8439.183	626.6	1010.	5572.5	12380.
00065	STAGE, STREAM (FEET)	04/18/83-04/28/94	40	3.57	4.138	9.45	1.75	2.996	1.731	2.544	2.93	5.08	6.037
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/31/78-02/01/94	37	4.	19.032	165.	0.4	1380.043	37.149	1.16	2.	8.65	87.2
00080	COLOR (PLATINUM-COBALT UNITS)	10/04/67-08/15/74	58	10.	15.69	70.	0.	200.042	14.144	5.	5.	20.75	35.5
00095p	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/04/67-04/28/94	159	68.	68.289	109.	46.	82.587	9.088	58.	62.	74.	81.
00300	OXYGEN, DISSOLVED MG/L	12/30/77-04/28/94	99	9.	8.947	12.	5.7	1.563	1.25	6.9	8.2	10.	10.4
00400p	PH (STANDARD UNITS)	10/04/67-04/28/94	159	7.	7.023	8.4	6.3	0.145	0.38	6.6	6.8	7.2	7.5
00400p	CONVERTED PH (STANDARD UNITS)	10/04/67-04/28/94	159	7.	6.885	8.4	6.3	0.164	0.405	6.6	6.8	7.2	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/04/67-04/28/94	159	0.1	0.13	0.501	0.004	0.01	0.099	0.032	0.063	0.158	0.251
00403	PH, LAB, STANDARD UNITS SU	11/06/80-08/23/93	38	7.1	7.213	8.8	6.4	0.247	0.497	6.69	6.8	7.6	7.9
00403	CONVERTED PH, LAB, STANDARD UNITS	11/06/80-08/23/93	38	7.1	7.005	8.8	6.4	0.292	0.54	6.69	6.8	7.6	7.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/06/80-08/23/93	38	0.079	0.099	0.398	0.002	0.008	0.087	0.013	0.025	0.158	0.205
00405	CARBON DIOXIDE (MG/L AS CO2)	10/02/72-05/23/79	14	5.65	5.986	11.	3.8	3.02	1.738	4.2	4.8	6.7	9.1
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/04/67-08/28/90	87	19.	18.92	27.	10.	10.005	3.163	15.	17.	21.	23.
00440	BICARBONATE ION (MG/L AS HC03)	10/04/67-04/25/78	59	23.	23.153	30.	16.	12.097	3.478	19.	20.	26.	28.
00445	CARBONATE ION (MG/L AS CO3)	10/04/67-04/25/78	59	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00452	CARBONATE, WATER,DISS,INCR TIT, FIELD, AS CO3, MG/L	11/20/87-04/28/94	13	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
00453	BICARBONATE,WATER,DISS,INCR TIT,FIELD,AS HC03,MG/L	11/20/87-04/28/94	13	26.	24.769	31.	18.	13.359	3.655	18.	23.	26.5	29.8
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	10/05/79-02/01/94	91	0.03	0.042	0.17	0.	0.001	0.034	0.011	0.02	0.06	0.09
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/30/77-08/26/92	20	0.03	0.033	0.11	0.	0.001	0.026	0.005	0.02	0.048	0.06
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	05/15/74-02/01/94	85 ##	0.005	0.007	0.05	0.005	0.	0.006	0.005	0.005	0.01	0.01
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	10/01/71-02/01/94	84	0.555	0.533	0.87	0.14	0.027	0.166	0.3	0.403	0.65	0.72
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/31/78-02/01/94	95	0.4	0.587	2.8	0.1	0.269	0.519	0.2	0.21	0.73	1.24
00631	NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	05/15/74-02/01/94	94	0.5	0.528	0.9	0.05	0.03	0.173	0.3	0.4	0.6	0.7
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	10/04/67-06/25/79	43	0.01	0.024	0.4	0.	0.004	0.063	0.	0.	0.02	0.066
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	10/01/73-03/14/83	7	0.	0.013	0.03	0.	0.	0.016	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/30/77-02/01/94	95	0.07	0.154	1.1	0.005	0.039	0.197	0.02	0.03	0.22	0.374
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/30/77-02/01/94	71	0.02	0.021	0.09	0.005	0.	0.019	0.005	0.01	0.02	0.048
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/01/73-02/01/94	92	0.01	0.015	0.08	0.005	0.	0.012	0.005	0.01	0.02	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/31/78-02/01/94	80	3.4	4.788	22.4	0.8	13.207	3.634	1.91	2.425	6.05	9.25
00900	HARDNESS, TOTAL (MG/L AS CACO3)	10/04/67-11/05/85	67	22.	22.448	30.	17.	7.857	2.803	19.	20.	24.	27.
00902	HARDNESS, NON-CARBONATE (MG/L AS CACO3)	10/04/67-05/08/81	66	4.	3.682	10.	0.	6.651	2.579	0.	2.	6.	8.
00915p	CALCIUM, DISSOLVED (MG/L AS CA)	10/04/67-08/23/93	86	5.6	5.736	8.8	4.4	0.696	0.834	4.8	5.175	6.125	6.6
00925p	MAGNESIUM, DISSOLVED (MG/L AS MG)	10/04/67-08/23/93	86	2.	2.005	3.2	1.1	0.113	0.336	1.6	1.8	2.225	2.4
00930p	SODIUM, DISSOLVED (MG/L AS NA)	10/04/67-08/23/93	86	3.2	3.287	4.5	2.	0.284	0.533	2.5	3.	3.6	3.93
00931	SODIUM ADSORPTION RATIO	10/04/67-11/05/85	67	0.3	0.299	0.4	0.2	0.002	0.044	0.2	0.3	0.3	0.32
00932	SODIUM, PERCENT	10/04/67-11/05/85	67	23.	22.448	29.	16.	7.493	2.737	18.	21.	24.	25.2
00935p	POTASSIUM, DISSOLVED (MG/L AS K)	10/04/67-08/23/93	86	1.4	1.453	3.1	0.8	0.179	0.423	0.97	1.2	1.725	2.
00940p	CHLORIDE, TOTAL IN WATER MG/L	10/04/67-08/23/93	86	4.	3.791	5.	1.	0.497	0.705	3.	3.	4.	5.
00945p	SULFATE, TOTAL (MG/L AS SO4)	10/04/67-08/23/93	86	6.	6.267	12.	2.	4.01	2.002	4.	5.	7.	9.3
00950p	FLUORIDE, DISSOLVED (MG/L AS F)	10/04/67-08/23/93	86	0.1	0.094	0.2	0.	0.001	0.033	0.05	0.1	0.1	0.1
00955p	SILICA, DISSOLVED (MG/L AS SI02)	10/04/67-02/01/94	153	10.	9.652	13.	3.5	3.998	1.999	6.72	8.45	11.	12.
01000	ARSENIC, DISSOLVED (UG/L AS AS)	12/30/77-08/27/91	13 ##	0.5	0.615	1.	0.5	0.048	0.219	0.5	0.5	0.75	1.
01005	BARIUM, DISSOLVED (UG/L AS BA)	12/30/77-08/23/93	14	21.	35.643	170.	15.	1717.016	41.437	15.	15.75	35.	118.
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	11/24/82-08/27/91	9 ##	0.25	0.306	0.5	0.25	0.012	0.11	0.25	0.25	0.375	0.5
01025	CADMIUM, DISSOLVED (UG/L AS CD)	12/30/77-08/27/91	13 ##	0.5	0.885	3.	0.	0.798	0.893	0.	0.5	1.5	2.6
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	12/30/77-08/27/91	13 ##	2.	2.846	10.	0.5	11.849	3.442	0.5	0.5	4.	10.
01035	COBALT, DISSOLVED (UG/L AS CO)	12/30/77-08/23/93	14 ##	1.5	1.179	1.5	0.	0.331	0.575	0.	0.875	1.5	1.5
01040	COPPER, DISSOLVED (UG/L AS CU)	12/30/77-08/27/91	13	3.	2.962	7.	0.5	3.978	1.994	0.5	1.25	4.5	6.2
01046	IRON, DISSOLVED (UG/L AS FE)	10/01/68-08/23/93	63	40.	68.556	400.	0.	5959.573	77.198	5.	20.	90.	178.
01049	LEAD, DISSOLVED (UG/L AS PB)	12/30/77-08/27/91	13	2.5	2.731	8.	0.	4.276	2.068	0.2	1.5	3.5	6.8
01056	MANGANESE, DISSOLVED (UG/L AS MN)	12/30/77-08/23/93	14	14.	15.071	30.	4.	56.841	7.539	5.5	9.25	20.25	28.
01060	MOLYBDENUM, DISSOLVED (UG/L AS MO)	11/24/82-08/23/93	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01065	NICKEL, DISSOLVED (UG/L AS NI)	02/20/80-08/23/93	12	1.	1.625	6.	0.5	2.96	1.721	0.5	0.5	2.	5.4
01075	SILVER, DISSOLVED (UG/L AS AG)	12/30/77-08/23/93	14 ##	0.5	0.429	1.	0.	0.071	0.267	0.	0.375	0.5	0.75

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

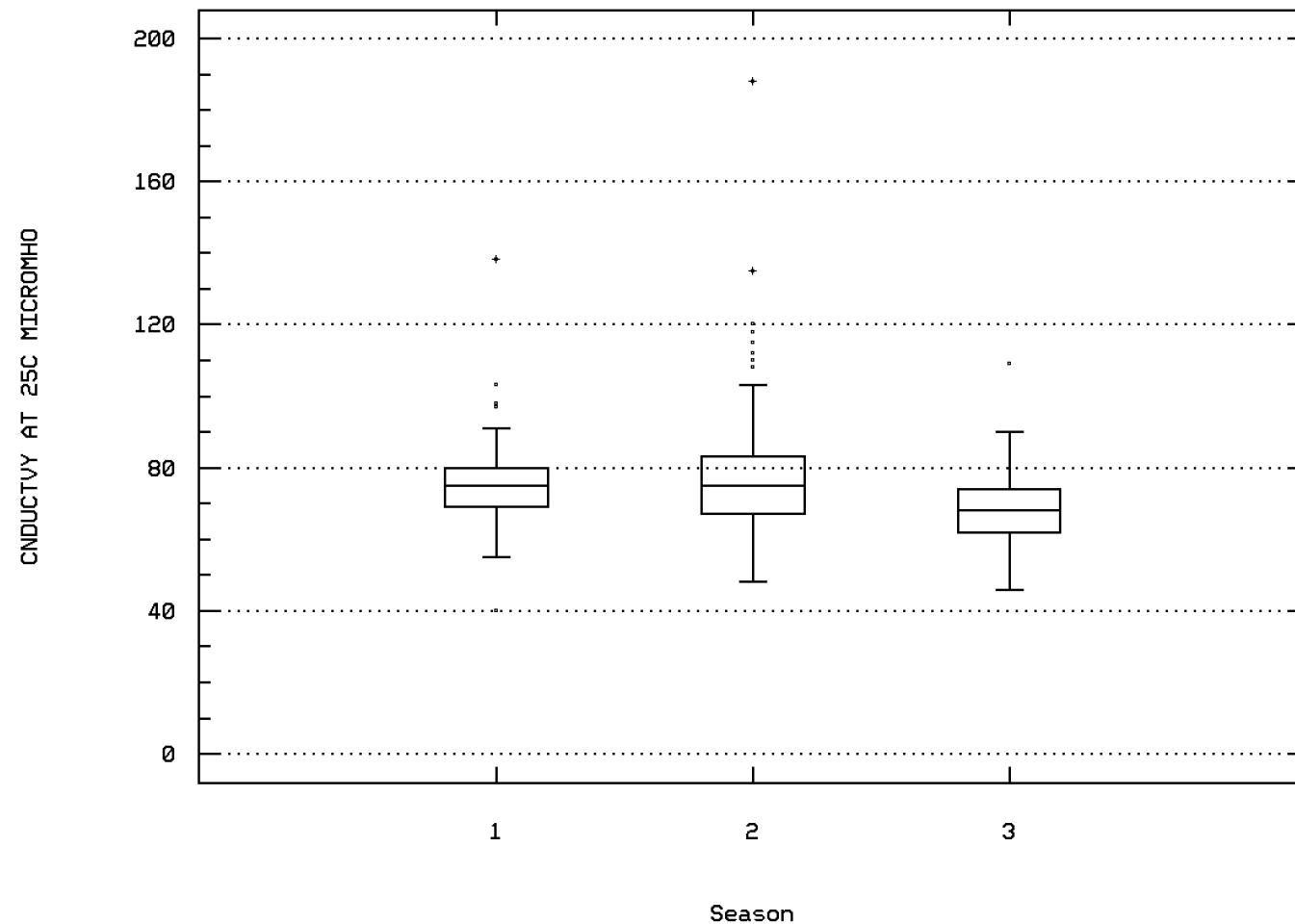
Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0045

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01080	STRONTIUM, DISSOLVED (UG/L AS SR)	11/24/82-08/23/93	10	30.	29.7	37.	21.	31.122	5.579	21.1	24.25	34.5	36.9
01085	VANADIUM, DISSOLVED (UG/L AS V)	11/24/82-08/23/93	10##	3.	3.	3.	3.	0.	0.	3.	3.	3.	3.
01090	ZINC, DISSOLVED (UG/L AS ZN)	12/30/77-08/27/91	13	14.	13.192	26.	0.	64.481	8.03	0.6	6.5	19.	25.2
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	03/14/83-08/23/93	10	35.	58.	250.	10.	5173.333	71.926	10.	25.	55.	235.
01130	LITHIUM, DISSOLVED (UG/L AS LI)	11/24/82-08/23/93	10##	2.	2.	2.	2.	0.	0.	2.	2.	2.	2.
01145	SELENIUM, DISSOLVED (UG/L AS SE)	12/30/77-08/23/93	14 ##	0.5	0.464	0.5	0.	0.018	0.134	0.25	0.5	0.5	0.5
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	12/30/77-04/28/94	29	42.	962.552	17000.	7.	10979130.899	3313.477	11.	17.5	109.	1940.
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	12/30/77-04/28/94	29	1.623	1.84	4.23	0.845	0.695	0.834	1.041	1.243	2.037	3.288
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM			GEOMETRIC MEAN =	69.182								
31673	FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/30/77-04/28/94	29	39.	1590.586	37000.	5.	47550698.108	6895.701	7.	10.5	129.	1060.
31673	LOG FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR	12/30/77-04/28/94	29	1.591	1.736	4.568	0.699	0.845	0.919	0.845	1.017	2.077	3.025
31673	GM FECAL STREPTOCOCCI, MBR FILT,KF AGAR,35C,48HR			GEOMETRIC MEAN =	54.465								
39086	ALKALINITY,WATER,DISS,INCR TIT,FIELD,AS CACO3,MG/L	11/20/87-04/28/94	13	21.	20.385	25.	15.	8.923	2.987	15.	18.5	22.5	24.2
70300p	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/04/67-08/23/93	86	52.	52.163	72.	31.	69.785	8.354	41.	46.	58.25	64.3
70301	SOLIDS, DISSOLVED-SUM OF CONSTITUENTS (MG/L)	10/04/67-11/05/85	67	45.	45.269	56.	32.	22.109	4.702	39.	42.	48.	52.
70302	SOLIDS, DISSOLVED-TONS PER DAY	10/04/67-10/15/81	45	187.	280.296	1490.	43.9	75932.068	275.558	75.24	120.	346.	663.2
70303	SOLIDS, DISSOLVED-TONS PER ACRE-FT	10/04/67-01/18/83	67	0.07	0.072	0.1	0.04	0.	0.012	0.06	0.06	0.08	0.09
70331	SUSPENDED SED SIEVE DIAMETER,% FINER THAN .062MM	12/30/77-08/23/93	26	88.5	86.808	100.	61.	114.722	10.711	70.5	79.	95.25	100.
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/01/71-08/26/92	18	0.005	0.041	0.6	0.	0.02	0.14	0.	0.003	0.014	0.087
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	10/05/79-12/04/85	6	0.045	0.043	0.09	0.	0.002	0.039	**	**	**	**
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	10/04/67-08/15/74	52	2.05	2.156	4.8	0.	1.474	1.214	0.63	1.3	3.05	3.9
71886	PHOSPHORUS, TOTAL, AS PO4 - MG/L	04/25/79-12/04/85	13	0.09	0.195	0.92	0.06	0.059	0.243	0.06	0.075	0.23	0.712
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/30/77-04/23/91	13 ##	0.05	0.223	1.4	0.05	0.138	0.372	0.05	0.05	0.25	1.
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	12/30/77-08/23/93	29	7.	30.759	282.	2.	4541.833	67.393	3.	5.	12.5	103.
80155	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)	12/30/77-11/05/85	6	25.5	31.05	64.	8.3	418.055	20.446	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: FRSP0045 Parameter Code: 00095

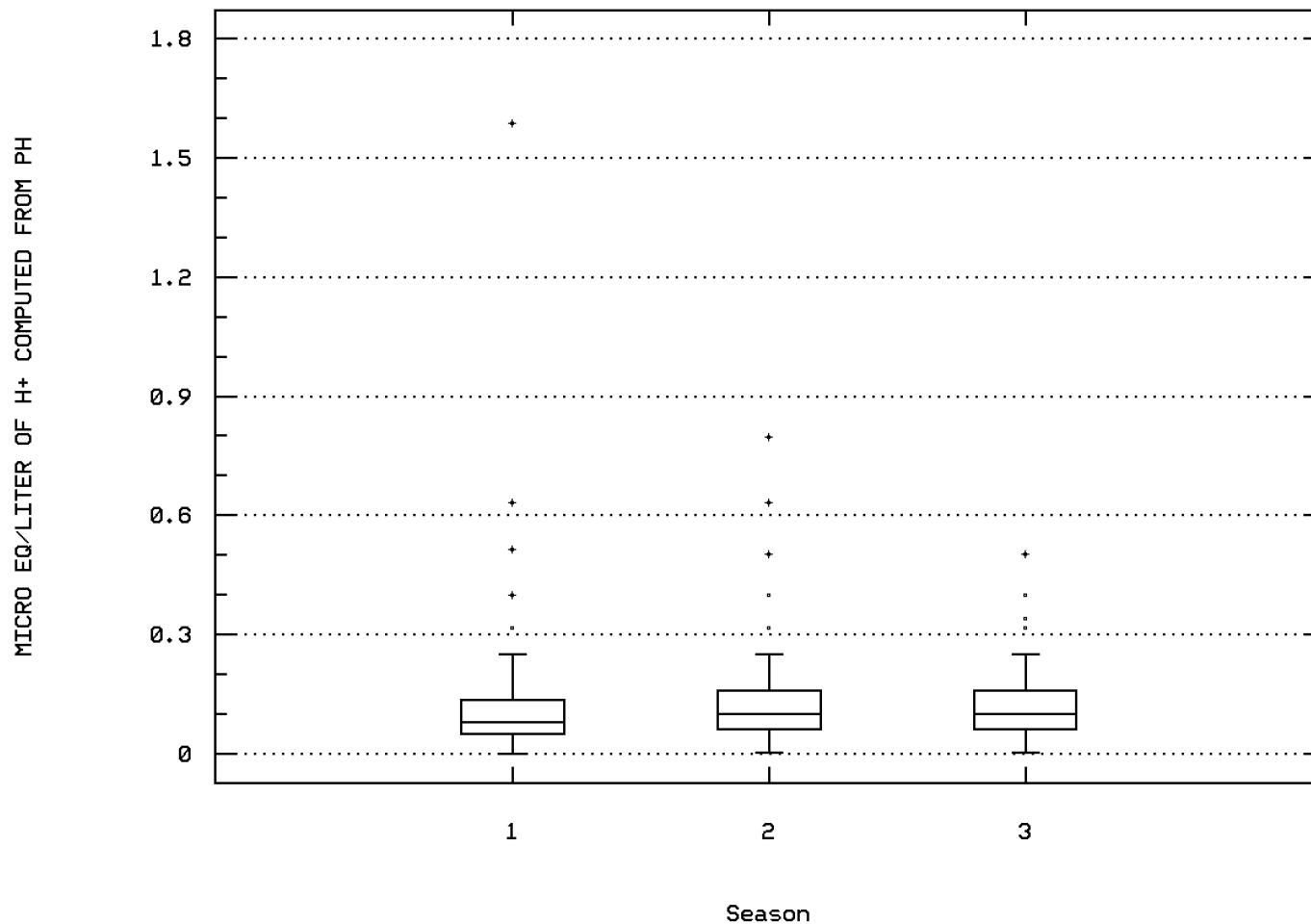
SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00400

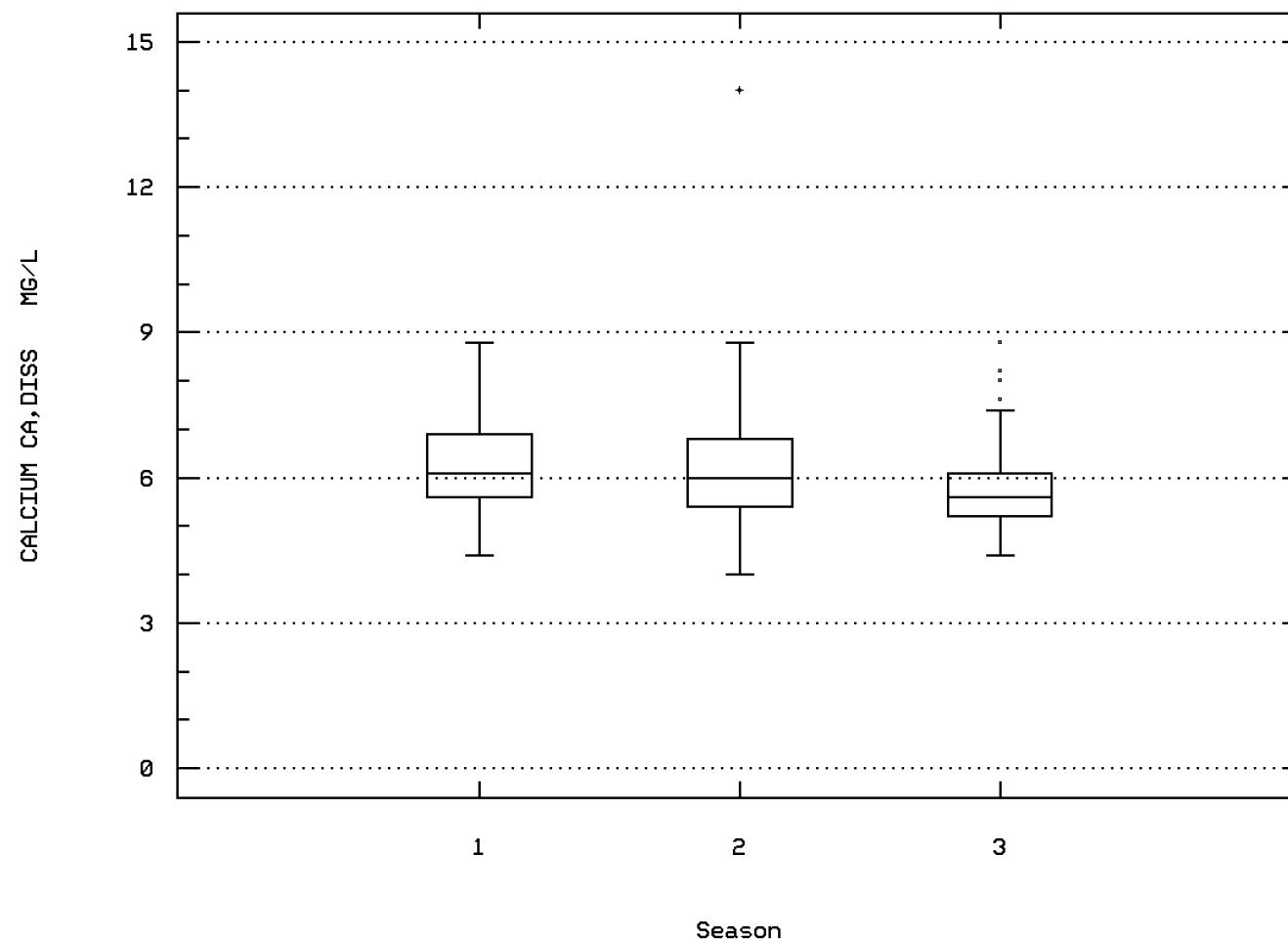
MICRO EQ/LITER OF H⁺ COMPUTED FROM PH



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00915

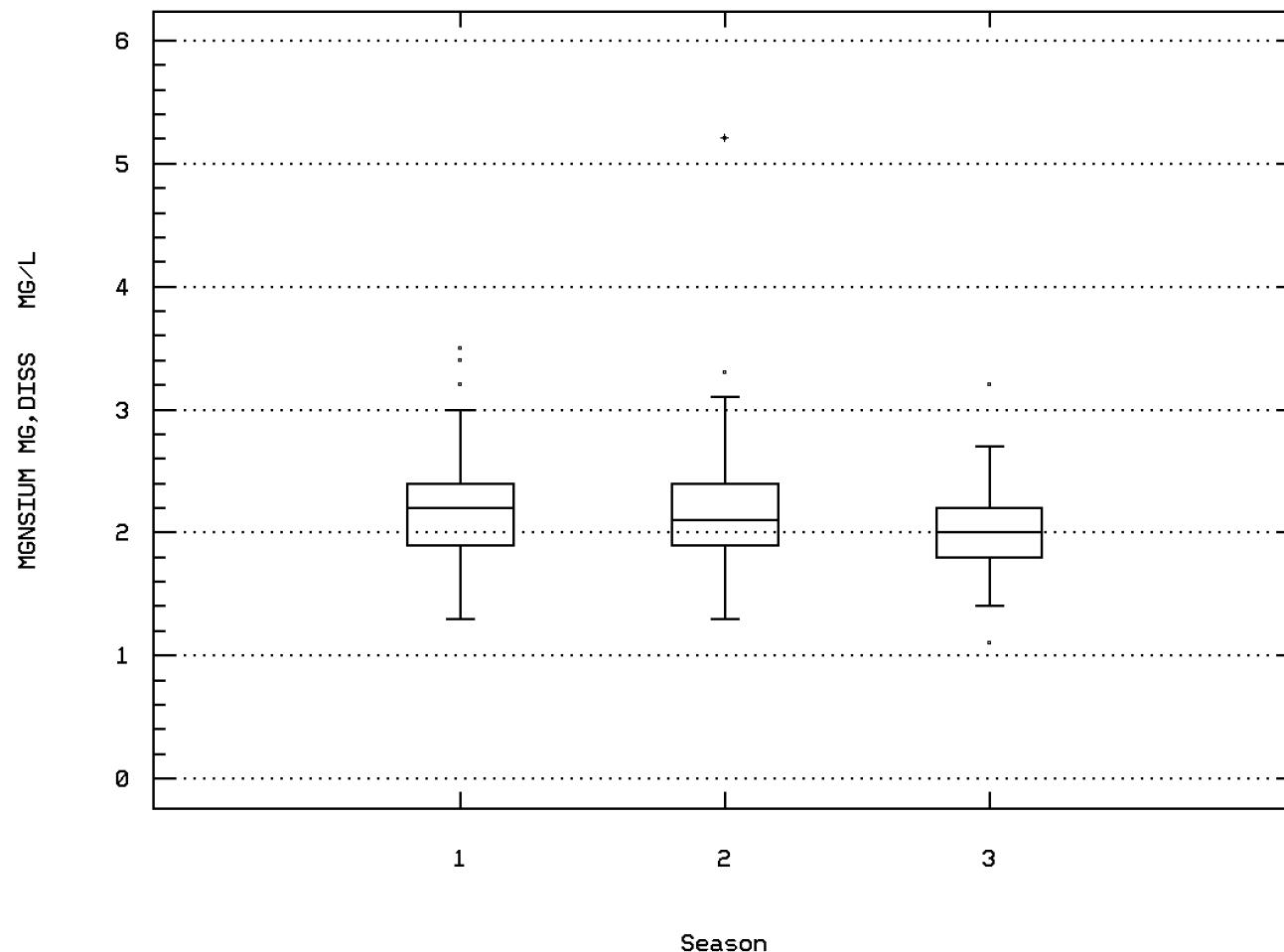
CALCIUM, DISSOLVED (MG/L AS CA)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00925

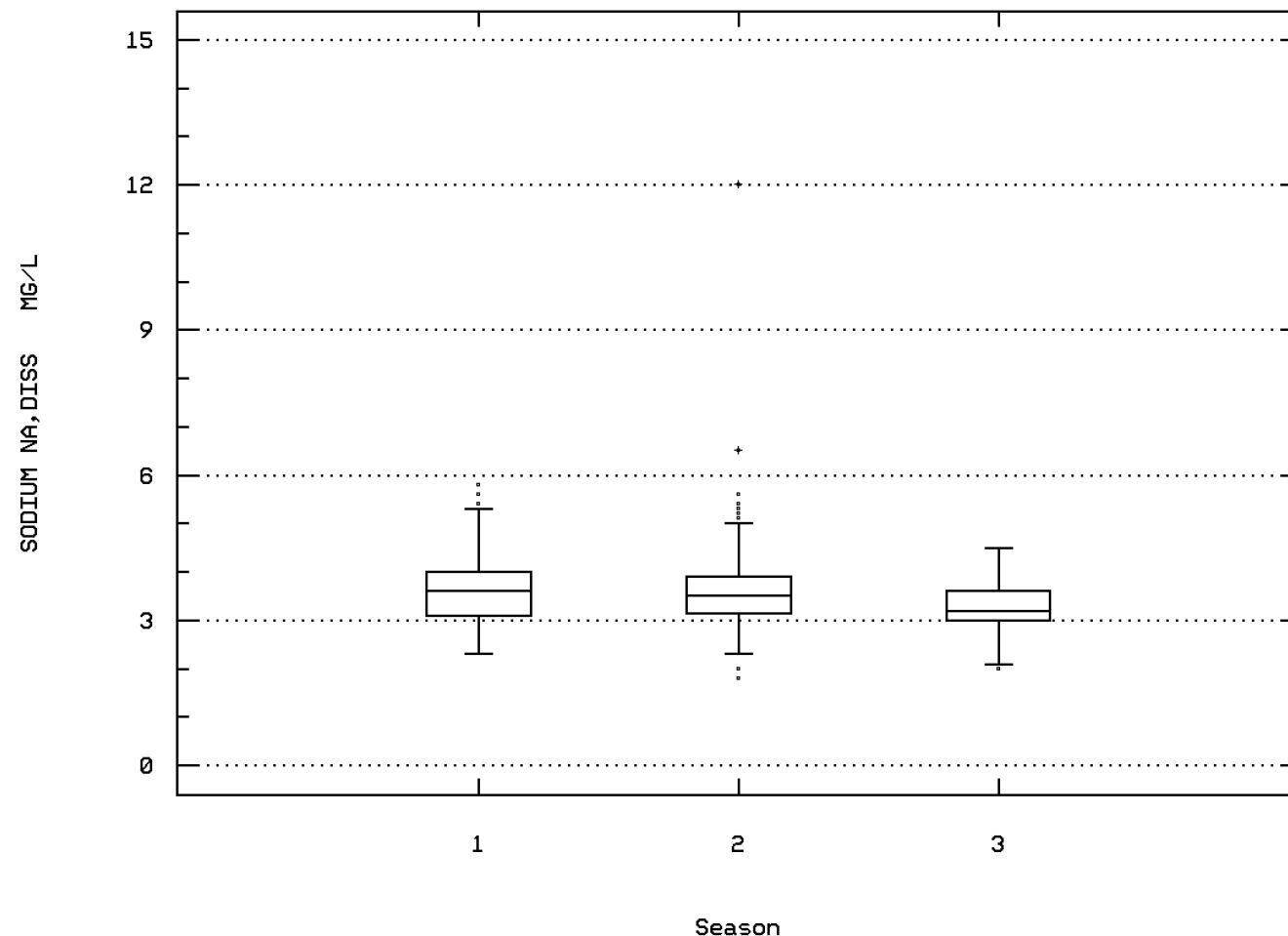
MAGNESIUM, DISSOLVED (MG/L AS MG)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00930

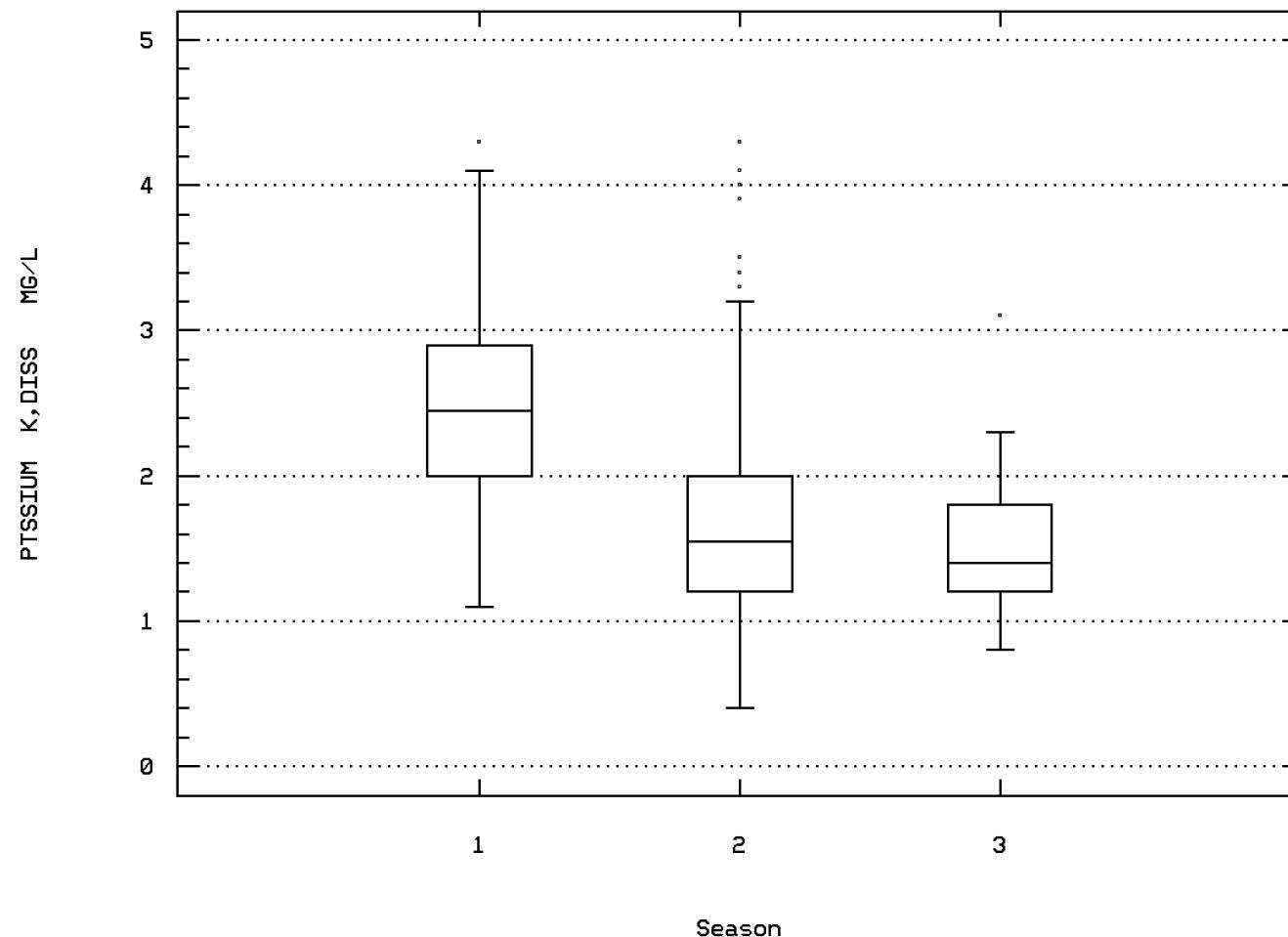
SODIUM, DISSOLVED (MG/L AS NA)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00935

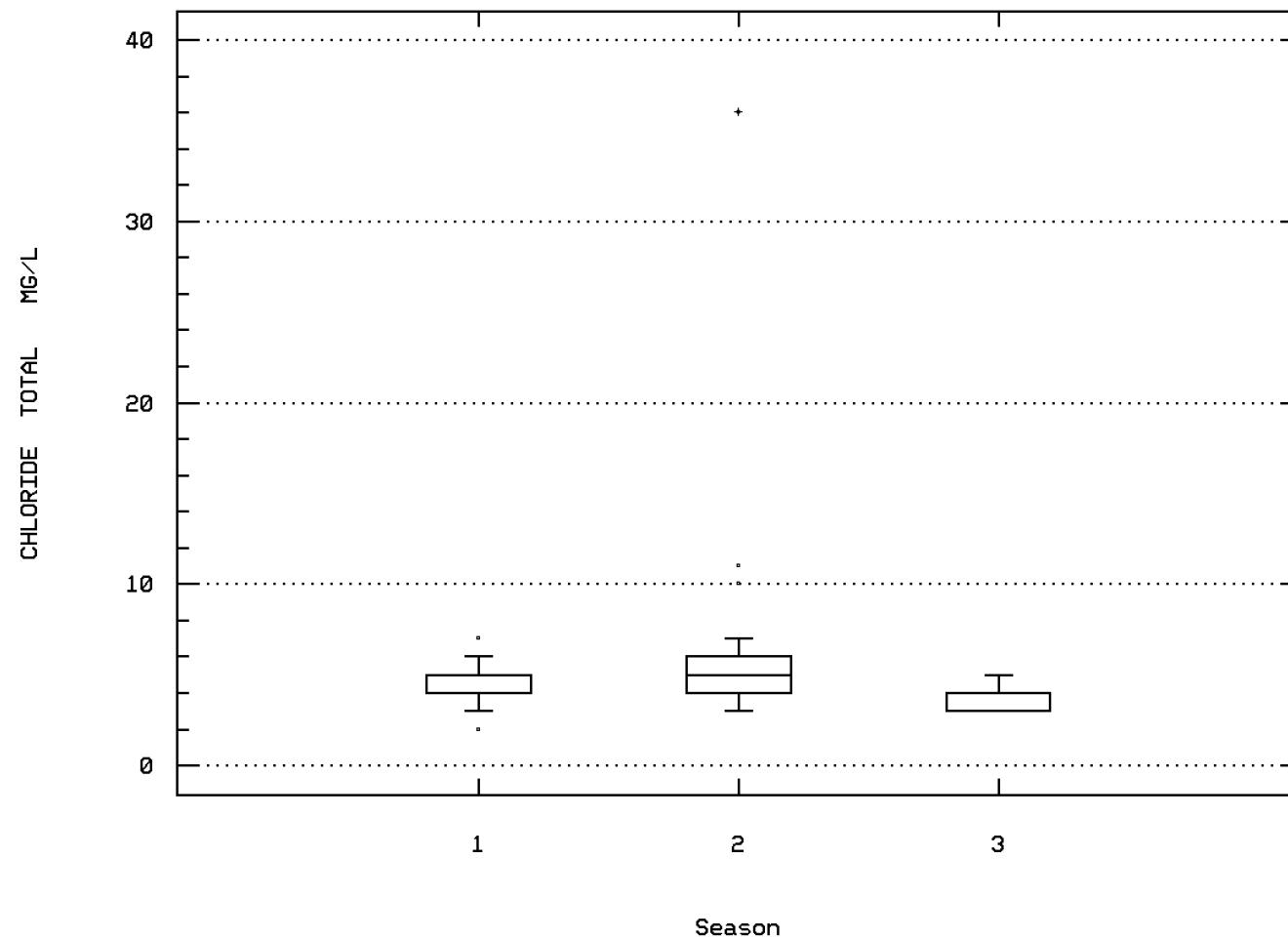
POTASSIUM, DISSOLVED (MG/L AS K)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00940

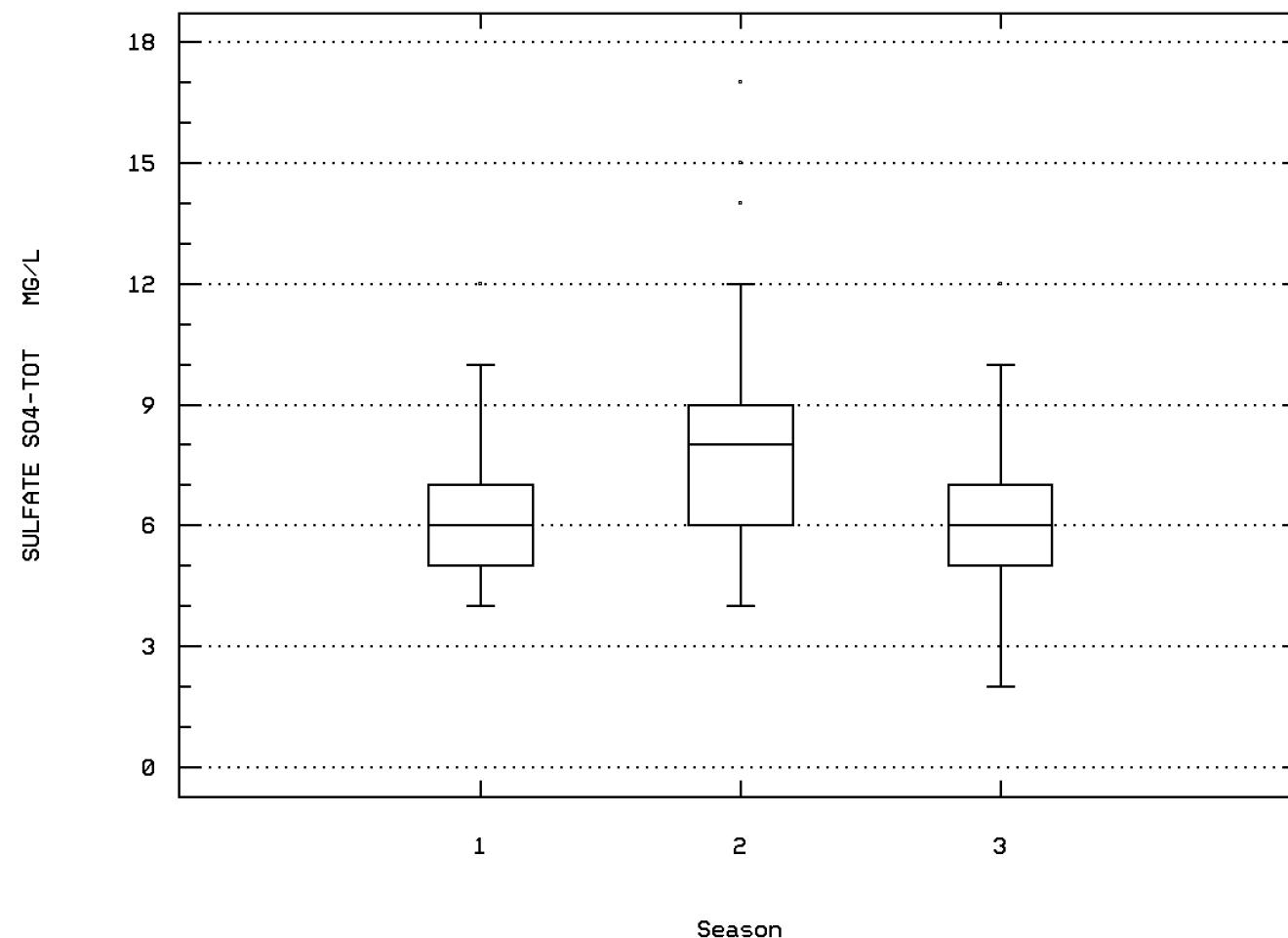
CHLORIDE, TOTAL IN WATER



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00945

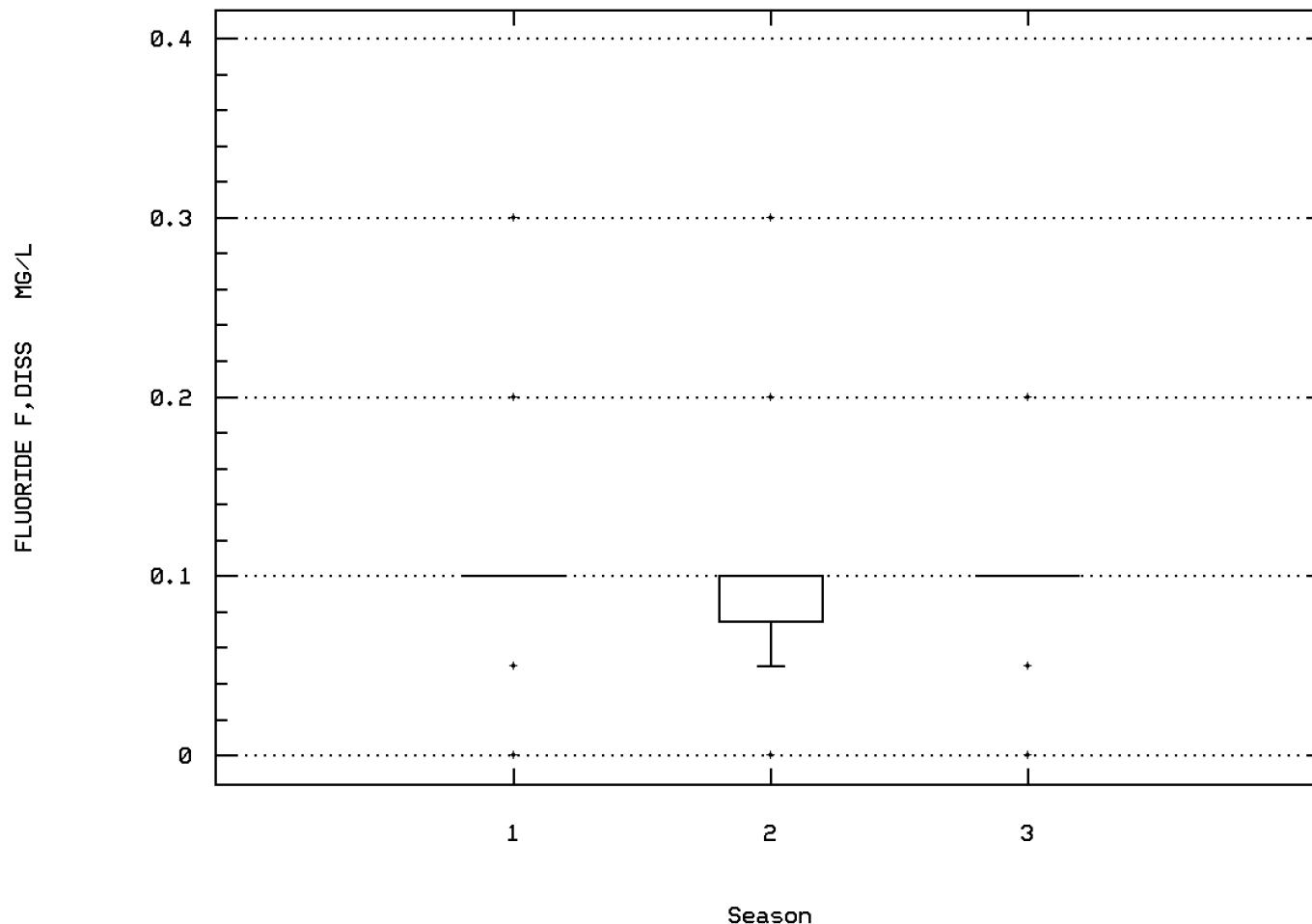
SULFATE, TOTAL (MG/L AS SO₄)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00950

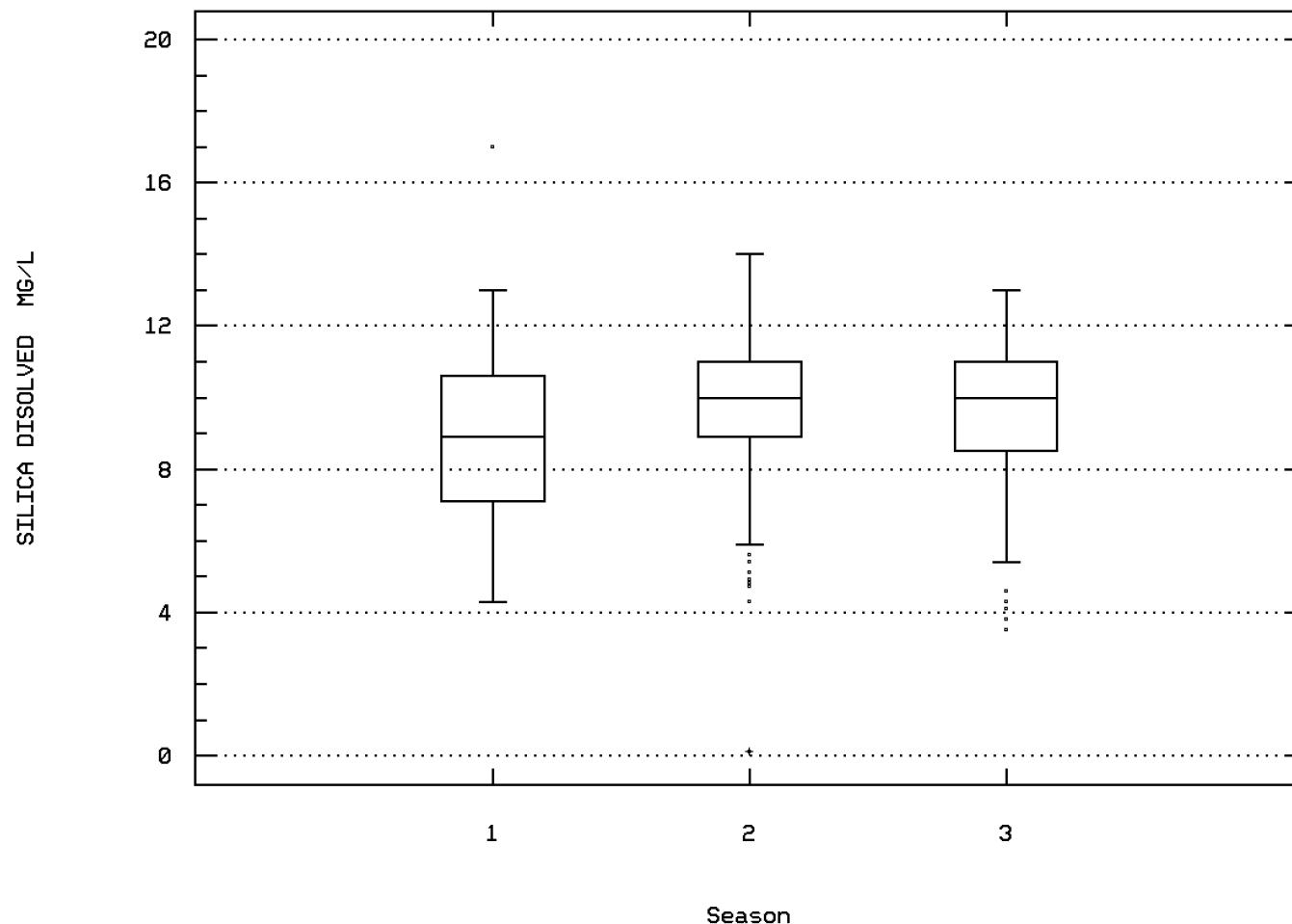
FLUORIDE, DISSOLVED (MG/L AS F)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 00955

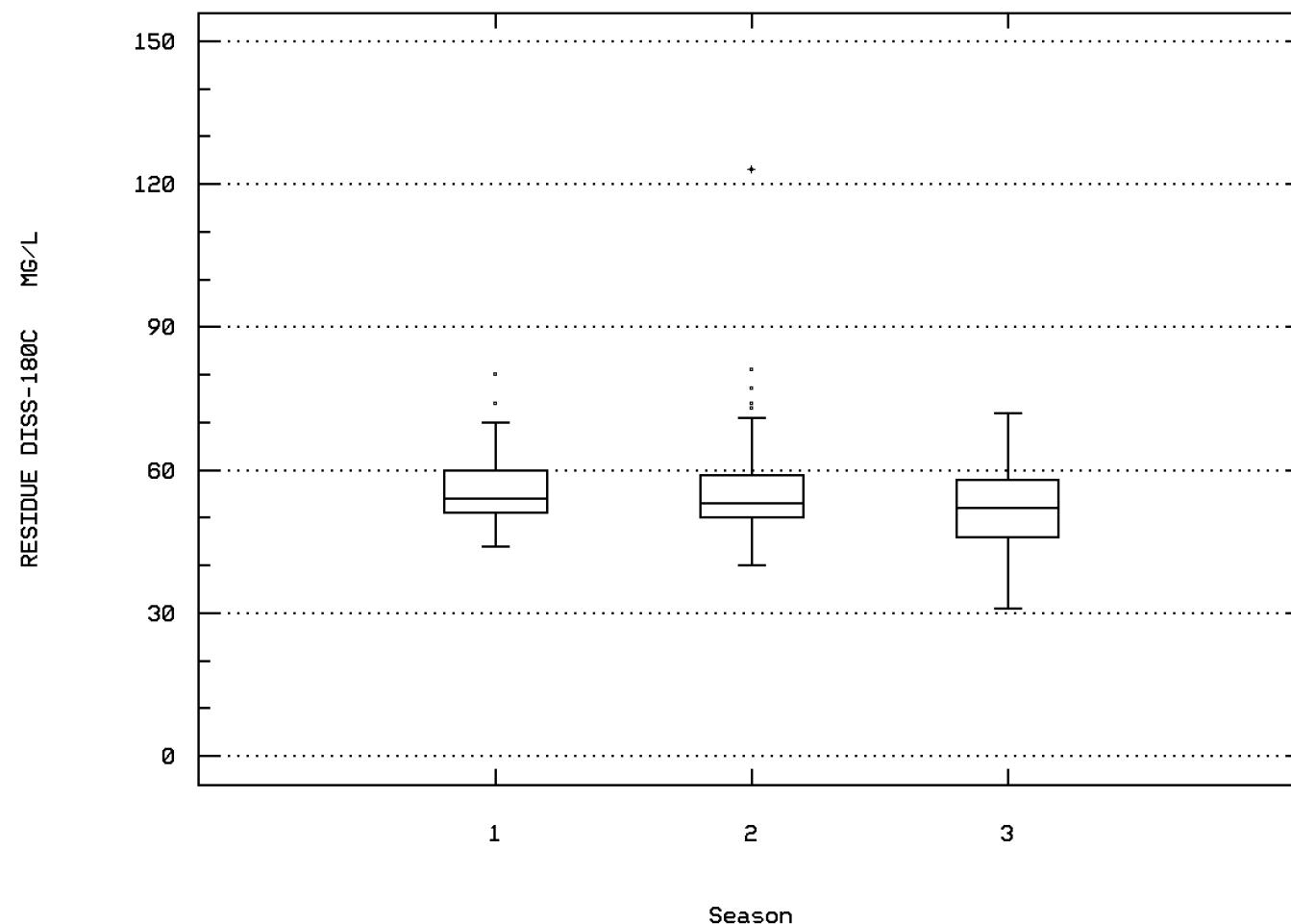
SILICA, DISSOLVED (MG/L AS SiO₂)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station: FRSP0045 Parameter Code: 70300

RESIDUE, TOTAL FILTRABLE (DRIED AT 180C)



RAPPAHANNOCK RIVER NEAR FREDERICKSBURG,

Station Inventory for Station: FRSP0046

NPS Station ID: FRSP0046
 Location: FREDERICKSBURG USGS MASQHN STA. RAPPAHANNOCK
 Station Type: /TYP/A/AMBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: NORTH ATLANTIC
 Minor Basin: RAPPAHANNOCK AND YORK RIVERS
 RF1 Index: 02080104042
 RF3 Index:
 Description:

LAT/LON: 38.322226/ -77.518059
 Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 10.180
 RF3 Mile Point: 0.00

Agency: CHESBAY
 FIPS State/County: 51630 VIRGINIA/FREDERICKSBURG (CITY)
 STORET Station ID(s): TF3.1
 Within Park Boundary: No
 Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

Date Created: 08/24/84
 On/Off RF1: ON
 On/Off RF3:

Parameter Inventory for Station: FRSP0046

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0047

NPS Station ID: FRSP0047
 Location: RAPP. R. AT RT. 2,FREDS., VA.
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:

HUC: 02080104 Depth of Water: 0
 Major Basin: MIDDLE ATLANTIC Elevation: 0
 Minor Basin: RAPPAHANNOCK AND YORK R. VA. COAST
 RF1 Index: 02080104042 RF1 Mile Point: 10.180
 RF3 Index: RF3 Mile Point: 0.00

Description:
 RAPPAHANNOCK RIVER AT ROUTE 2, FREDRICKSBURG, VIRGINIA. USGSSTATION NO. - 01668000. ACTIVATION DATE - JULY,1969, AS A PART OF THE SAMPLING NETWORK FOR THE CHESAPEAKE BAY NUTRIENT INPUT STUDY. SAMPLED AND ANALYZED BY CHESAPEAKE TECHNICAL SUPPORT LAB.

Date Created: / /

Agency: 11121OWQ
 FIPS State/County: 24000 MARYLAND/
 STORET Station ID(s): CB04 /RF01 /RF02 /CB4
 Within Park Boundary: No

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0047

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/18/69-08/11/70	53	21.	16.155	30.5	-1.	102.451	10.122	3.7	5.	24.75	27.8
00060 FLOW, STREAM, MEAN DAILY CFS	06/12/69-07/06/70	50	1046.	1571.94	8520.	208.	2647475.241	1627.106	325.7	429.25	2012.5	3075.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/12/69-08/11/70	51	0.055	0.096	0.81	0.001	0.017	0.129	0.02	0.035	0.1	0.228
00623 NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	06/12/69-04/20/70	36	0.326	0.392	1.159	0.042	0.074	0.272	0.08	0.159	0.597	0.703
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/12/69-08/11/70	54	0.501	0.577	1.28	0.084	0.086	0.293	0.286	0.362	0.741	1.105
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/12/69-08/11/70	50	0.5	0.524	1.44	0.001	0.13	0.361	0.05	0.21	0.873	1.062
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	06/12/69-08/11/70	55	0.16	0.251	2.31	0.05	0.109	0.33	0.09	0.13	0.24	0.462
00653 PHOSPHATE, TOTAL SOLUBLE (MG/L)	06/12/69-08/11/70	51	0.08	0.087	0.16	0.04	0.001	0.033	0.05	0.06	0.11	0.14
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	06/12/69-08/11/70	54	0.1	0.131	0.41	0.01	0.01	0.098	0.05	0.068	0.15	0.31
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	06/18/69-08/11/70	34	3.95	4.444	16.5	0.1	10.235	3.199	1.3	2.275	5.55	8.3
00690 CARBON, TOTAL (MG/L AS C)	01/06/70-08/11/70	15	7.1	7.567	22.3	1.	27.294	5.224	1.48	4.	9.9	16.9
01002 ARSENIC, TOTAL (UG/L AS AS)	09/07/78-09/07/78	1	2.	2.	2.	0.	0.	0.	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)	09/07/78-09/07/78	1	1.	1.	1.	0.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	09/07/78-09/07/78	1##	1.	1.	1.	0.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	09/07/78-09/07/78	1##	1.	1.	1.	0.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	09/07/78-09/07/78	1##	1.	1.	1.	0.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	09/07/78-09/07/78	1##	10.	10.	10.	0.	0.	0.	**	**	**	**
01059 THALLIUM, TOTAL (UG/L AS TL)	09/07/78-09/07/78	1	1.	1.	1.	0.	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	09/07/78-09/07/78	1##	10.	10.	10.	0.	0.	0.	**	**	**	**
01077 SILVER, TOTAL (UG/L AS AG)	09/07/78-09/07/78	1##	1.	1.	1.	0.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	09/07/78-09/07/78	1	12.	12.	12.	0.	0.	0.	**	**	**	**
01097 ANTIMONY, TOTAL (UG/L AS SB)	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32101 BROMODICHLOROMETHANE, WHOLE WATER, UG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32102 CARBON TETRACHLORIDE, WHOLE WATER, UG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32103 1,2-DICHLOROETHANE, WHOLE WATER, UG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32104 BROMOFORM, WHOLE WATER, UG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32105 DIBROMOCHLOROMETHANE, WHOLE WATER, UG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
32106 CHLOROFORM, WHOLE WATER, UG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34010 TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34030 BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.(UG/L)	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34200 ACENAPHTHYLENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34205 ACENAPHTHENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34210	ACROLEIN TOTWUG/L	09/07/78-09/07/78	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
34215	ACRYLONITRILE TOTWUG/L	09/07/78-09/07/78	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34220	ANTHRACENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34230	BENZO(B)FLUORANTHENE,WHOLE WATER,UG/L	09/07/78-09/07/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
34242	BENZO(K)FLUORANTHENE, TOTAL, WATER UG/L	09/07/78-09/07/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
34247	BENZO-A-PYRENE TOTWUG/L	09/07/78-09/07/78	1##	10.	10.	10.	10.	0.	0.	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34268	BIS (CHLOROMETHYL) ETHER TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34273	BIS (2-CHLOROETHYL) ETHER TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34278	BIS (2-CHLOROETHXY) METHANE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34283	BIS (2-CHLOROISOPROPYL) ETHER TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34292	N-BUTYL BENZYL PHTHALATE,WHOLE WATER,UG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34301	CHLOROBENZENE TOTWUG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34311	CHLOROETHANE TOTWUG/L	09/07/78-09/07/78	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34320	CHRYSENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34336	DIETHYL PHTHALATE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34341	DIMETHYL PHTHALATE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34346	1,2-DIPHENYLHYDRAZINE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34371	ETHYLBENZENE TOTWUG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34376	FLUORANTHENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34381	FLUORENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34386	HEXACHLOROCYCLOPENTADIENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34396	HEXACHLOROETHANE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34403	INDENO (1,2,3-CD) PYRENE TOTWUG/L	09/07/78-09/07/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
34408	ISOPHORONE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34413	METHYL BROMIDE TOTWUG/L	09/07/78-09/07/78	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34418	METHYL CHLORIDE TOTWUG/L	09/07/78-09/07/78	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34423	METHYLENE CHLORIDE TOTWUG/L	09/07/78-09/07/78	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
34428	N-NITROSODI-N-PROPYLAMINE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34433	N-NITROSODIPHENYLAMINE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34438	N-NITROSODIMETHYLAMINE TOTWUG/L	09/07/78-09/07/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
34447	NITROBENZENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34452	PARACHLOROMETA CRESOL TOTWUG/L	09/07/78-09/07/78	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
34461	PHENANTHRENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34469	PYRENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34475	TETRACHLOROETHYLENE TOTWUG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34488	TRICHLOROFLUOROMETHANE TOTWUG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34496	1,1-DICHLOROETHANE TOTWUG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34501	1,1-DICHLOROETHYLENE TOTWUG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34506	1,1,1-TRICHLOROETHANE TOTWUG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34511	1,1,2-TRICHLOROETHANE TOTWUG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34516	1,1,2,2-TETRACHLOROETHANE TOTWUG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34521	BENZO(GHI)PERYLENE,1,2-BENZOPERYLENE TOTWUG/L	09/07/78-09/07/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
34526	BENZO(A)ANTHRACENE,1,2-BENZANTHRACENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34536	1,2-DICHLOROBENZENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34541	1,2-DICHLOROPROPANE TOTWUG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER UG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34551	1,2,4-TRICHLOROBENZENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34556	1,2,5,6-DIBENZANTHRACENE TOTWUG/L	09/07/78-09/07/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
34561	1,3-DICHLOROPROPENE TOTWUG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
34566	1,3-DICHLOROBENZENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34571	1,4-DICHLOROBENZENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34576	2-CHLOROETHYL VINYL ETHER TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34581	2-CHLORONAPHTHALENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34586	2-CHLOROPHENOL TOTWUG/L	09/07/78-09/07/78	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
34591	2-NITROPHENOL TOTWUG/L	09/07/78-09/07/78	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
34596	DI-N-OCTYL PHTHALATE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34601	2,4-DICHLOROPHENOL TOTWUG/L	09/07/78-09/07/78	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
34606	2,4-DIMETHYLPHENOL TOTWUG/L	09/07/78-09/07/78	1##	1.	1.	1.	1.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0047

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
34611	2,4-DINITROTOLUENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34616	2,4-DINITROPHENOL TOTWUG/L	09/07/78-09/07/78	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
34621	2,4,6-TRICHLOROPHENOL TOTWUG/L	09/07/78-09/07/78	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
34626	2,6-DINITROTOLUENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34631	3,3'-DICHLOROBENZIDINE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34636	4-BROMOPHENYL PHENYL ETHER TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34641	4-CHLOROPHENYL PHENYL ETHER TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
34646	4-NITROPHENOL TOTWUG/L	09/07/78-09/07/78	1##	20.	20.	20.	20.	0.	0.	**	**	**	**
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL) TOTWUG/L	09/07/78-09/07/78	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34675	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD) TOTWUG/L	09/07/78-09/07/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTWUG/L	09/07/78-09/07/78	1##	1.	1.	1.	1.	0.	0.	**	**	**	**
34696	NAPHTHALENE TOTWUG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER,UG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39110	DI-N-BUTYL PHTHALATE,WHOLE WATER,UG/L	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE-UG/L	09/07/78-09/07/78	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE-UG/L	09/07/78-09/07/78	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/78-09/07/78	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE(UG/L)	09/07/78-09/07/78	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	09/07/78-09/07/78	1	4.4	4.4	4.4	4.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0047

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	50	0	0.00	14	0	0.00	19	0	0.00	17	0
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00	1	0	0.00					
01012	BERYLLIUM, TOTAL	Drinking Water	50.	1	0	0.00	1	0	0.00					
01027	CADMIUM, TOTAL	Fresh Acute	130.	1	0	0.00	1	0	0.00					
01034	CHROMIUM, TOTAL	Drinking Water	3.9	1	0	0.00	1	0	0.00					
01042	COPPER, TOTAL	Fresh Acute	5.	1	0	0.00	1	0	0.00					
01051	LEAD, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00					
		Fresh Acute	18.	1	0	0.00	1	0	0.00					
		Drinking Water	1300.	1	0	0.00	1	0	0.00					
		Fresh Acute	82.	1	0	0.00	1	0	0.00					
		Drinking Water	15.	1	0	0.00	1	0	0.00					

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0047

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01059 THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00						
	Drinking Water	2.	1	0	0.00	1	0	0.00						
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00	1	0	0.00						
	Drinking Water	100.	1	0	0.00	1	0	0.00						
01077 SILVER, TOTAL	Fresh Acute	4.1	1	0	0.00	1	0	0.00						
	Drinking Water	100.	1	0	0.00	1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00	1	0	0.00						
	Drinking Water	5000.	1	0	0.00	1	0	0.00						
01097 ANTIMONY, TOTAL	Fresh Acute	88.	1	0	0.00	1	0	0.00						
	Drinking Water	6.	1	0	0.00	1	0	0.00						
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00	1	0	0.00						
	Drinking Water	50.	1	0	0.00	1	0	0.00						
32101 BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00						
32102 CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00	1	0	0.00						
32103 1,2-DICHLOROETHANE,WHOLE WATER	Drinking Water	5.	1	0	0.00	1	0	0.00						
	Fresh Acute	118000.	1	0	0.00	1	0	0.00						
32104 BROMOFORM, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00						
32105 DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00						
32106 CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00						
	Drinking Water	100.	1	0	0.00	1	0	0.00						
34010 TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00	1	0	0.00						
	Drinking Water	1000.	1	0	0.00	1	0	0.00						
34205 ACENAPHTHENE, TOTAL	Fresh Acute	1700.	1	0	0.00	1	0	0.00						
34210 ACRYLIC ACID, TOTAL	Fresh Acute	68.	1	0	0.00	1	0	0.00						
34215 ACRYLONITRILE, TOTAL	Fresh Acute	7550.	1	0	0.00	1	0	0.00						
34301 CHLOROBENZENE, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00						
34346 1,2-DIPHENYLHYDRAZINE, TOTAL	Fresh Acute	270.	1	0	0.00	1	0	0.00						
34356 ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00						
34361 ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00						
34371 ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00						
	Drinking Water	700.	1	0	0.00	1	0	0.00						
34376 FLUORANTHENE, TOTAL	Fresh Acute	3980.	1	0	0.00	1	0	0.00						
34386 HEXACHLOROCYCLOPENTADIENE, TOTAL	Fresh Acute	7.	1	0	0.00	1	0	0.00						
	Drinking Water	50.	1	0	0.00	1	0	0.00						
34396 HEXACHLOROETHANE, TOTAL	Fresh Acute	980.	1	0	0.00	1	0	0.00						
34403 INDENO (1,2,3-CD) PYRENE, TOTAL	Drinking Water	0.4	0 &	0	0.00									
34408 ISOPHORONE, TOTAL	Fresh Acute	117000.	1	0	0.00	1	0	0.00						
34423 METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00						
34447 NITROBENZENE, TOTAL	Fresh Acute	27000.	1	0	0.00	1	0	0.00						
34452 PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	1	0	0.00	1	0	0.00						
34461 PHENANTHRENE, TOTAL	Fresh Acute	30.	1	0	0.00	1	0	0.00						
34475 TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00						
	Drinking Water	5.	1	0	0.00	1	0	0.00						
34501 1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00	1	0	0.00						
34506 1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00						
34511 1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00						
34536 1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00						
34541 1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00						
34546 TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00	1	0	0.00						
34551 1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00	1	0	0.00						
34566 1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00						
34571 1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00						
34586 2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	1	0	0.00	1	0	0.00						
34601 2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	1	0	0.00	1	0	0.00						
34606 2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	1	0	0.00	1	0	0.00						
34611 2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	1	0	0.00	1	0	0.00						
34675 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN, TOT	Fresh Acute	0.01	0 &	0	0.00									
	Drinking Water	0.000	03											
									0&	0	0.00			

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EPA Water Quality Criteria Analysis for Station: FRSP0047

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
34694 PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	Fresh Acute	10200.	1	0	0.00	1	0	0.00						
34696 NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00	1	0	0.00						
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00	1	0	0.00						
	Drinking Water	1.	0 &	0	0.00									
39100 BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	1	0	0.00	1	0	0.00						
	Drinking Water	6.	1	0	0.00	1	0	0.00						
39175 VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	0 &	0	0.00									
39180 TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00						
	Drinking Water	5.	1	0	0.00	1	0	0.00						
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00						
39310 P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00						
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00						
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00						
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00						
	Drinking Water	0.2	1	0	0.00	1	0	0.00						
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00	1	0	0.00						
	Drinking Water	2.	1	0	0.00	1	0	0.00						
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00						
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00						
	Drinking Water	2.	1	0	0.00	1	0	0.00						
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00						
	Drinking Water	3.	1	0	0.00	1	0	0.00						
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00						
	Drinking Water	0.4	1	0	0.00	1	0	0.00						
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00						
	Drinking Water	0.2	1	0	0.00	1	0	0.00						
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	1	0	0.00	1	0	0.00						
	Drinking Water	1.	0 &	0	0.00									
39702 HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00	1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	1	1.00	1	1	1.00						
	Drinking Water	2.	1	1	1.00	1	1	1.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0048

NPS Station ID: FRSP0048
 Location: RT. 1 BRIDGE
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080105
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 8-YORK
 RF1 Index: 02080105014
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: NI RIVER SECTION: 03 AMBIENT MONITORING BASIN: 8 YORK REGION: 3 NORTHERN
 TOPO MAP #: 0024 TOPO MAP NAME: SPOTSYLVANIA, VA

LAT/LON: 38.171670/ -77.519170

Agency: 21VASWCB
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): 8-NIR003.96 /VA8-03-X0040/VA8-3X0040
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 3.850
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	183	14.	13.882	27.8	0.	58.379	7.641	3.78	6.7	21.2	23.3
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/21/71-03/17/92	20	6.25	8.255	23.	1.	39.578	6.291	2.16	3.325	12.65	19.95
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/14/94-12/17/98	37	6.	8.289	33.	0.8	65.145	8.071	1.78	3.3	9.4	25.8
00080	COLOR (PLATINUM-COBALT UNITS)	02/07/91-01/20/93	19	59.	60.053	94.	37.	274.719	16.575	40.	45.	68.	87.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	64	101.	121.719	379.	44.	4404.301	66.365	65.	76.25	145.	206.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	75	94.	112.72	358.	20.	3928.204	62.675	59.2	72.	136.	207.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/17/98	63	9.	9.395	13.2	6.2	4.445	2.108	6.8	7.5	11.6	12.22
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	117	9.4	9.779	14.6	4.7	4.32	2.079	7.6	8.	11.3	13.
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION %	09/13/68-09/13/68	1	8.6	8.6	8.6	8.6	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	126	2.	2.187	59.	0.5	26.745	5.172	1.	1.	2.	3.
00340	COD, .25N K2CR2O7 MG/L	05/22/79-12/17/98	71	16.	16.93	28.	8.	22.981	4.794	10.2	13.	21.	23.8
00400p	PH (STANDARD UNITS)	07/02/68-12/17/98	181	7.1	7.087	8.7	5.5	0.172	0.414	6.7	6.8	7.4	7.5
00400p	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	181	7.1	6.848	8.7	5.5	0.229	0.479	6.7	6.8	7.4	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	181	0.079	0.142	3.162	0.002	0.085	0.291	0.032	0.04	0.158	0.2
00403	PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	85	6.8	6.765	7.6	6.2	0.105	0.324	6.3	6.5	7.	7.3
00403	CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	85	6.8	6.658	7.6	6.2	0.117	0.342	6.3	6.5	7.	7.3
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	85	0.158	0.22	0.631	0.025	0.023	0.151	0.05	0.1	0.316	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-12/17/98	85	18.	18.976	43.	5.	79.023	8.89	9.	11.5	24.	31.8
00500	RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	89	87.	98.921	311.	41.	1830.096	42.78	63.	72.	116.5	150.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	89	28.	30.337	90.	12.	170.885	13.072	18.	23.	33.	46.
00510	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	89	59.	68.517	221.	11.	1332.298	36.501	40.	47.5	79.	121.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	125	4.	8.844	94.	0.5	246.24	15.692	1.5	1.5	8.	23.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	125	2.	2.776	32.	0.	11.034	3.322	0.5	1.5	4.	5.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	125	2.	6.488	84.	0.	173.292	13.164	0.5	1.5	4.	16.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	154 ##	0.05	0.082	2.09	0.01	0.03	0.174	0.02	0.04	0.08	0.125
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	153 ##	0.005	0.01	0.07	0.005	0.	0.009	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	128	0.225	0.312	1.12	0.005	0.059	0.242	0.079	0.15	0.415	0.724
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	153	0.4	0.463	2.9	0.05	0.068	0.26	0.2	0.3	0.6	0.7
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/26/76-06/27/79	26	0.165	0.173	0.54	0.025	0.018	0.135	0.025	0.025	0.263	0.34
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	78	0.1	0.088	0.2	0.05	0.001	0.038	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/90-04/23/92	18	0.03	0.033	0.07	0.005	0.	0.018	0.01	0.02	0.043	0.061
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	102	6.65	6.986	18.	2.9	5.585	2.363	4.33	5.275	8.	9.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-12/17/98	70	27.5	32.886	138.	11.	446.422	21.129	16.	20.	40.	57.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/16/79-04/16/79	1	1.8	1.8	1.8	1.8	0.	13.92	3.	3.25	7.75	12.
00940p	CHLORIDE,TOTAL IN WATER MG/L	08/31/72-12/17/98	148	5.	7.723	129.	0.5	193.77	24.107	7.	8.	23.75	43.2
00945	SULFATE, TOTAL (MG/L AS SO4)	09/13/90-12/17/98	76	11.5	20.724	136.	6.	581.163	0.05	0.05	0.05	0.205	0.262
00951	FLUORIDE, TOTAL (MG/L AS F)	09/13/90-04/21/93	25 ##	0.11	0.125	0.29	0.05	0.007	0.084	0.05	0.05	0.05	0.1
00955	SILICA, DISSOLVED (MG/L AS SI02)	09/13/90-01/20/93	29	12.1	12.366	19.1	6.6	7.632	2.763	8.5	10.8	14.4	15.4
01002	ARSENIC, TOTAL (UG/L AS AS)	04/21/71-07/14/94	14 ##	2.5	2.5	5.	1.	2.231	1.494	1.	1.	3.125	5.
01012	BERYLLIUM, TOTAL (UG/L AS BE)	06/10/91-03/24/93	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/22/70-07/14/94	17 ##	5.	4.794	5.	1.5	0.721	0.849	4.3	5.	5.	5.
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/19/70-07/14/94	25 ##	5.	7.8	25.	5.	25.167	5.017	5.	5.	10.	14.
01042	COPPER, TOTAL (UG/L AS CU)	03/19/70-07/14/94	25 ##	5.	7.84	25.	5.	25.39	5.039	5.	5.	10.	14.6
01045	IRON, TOTAL (UG/L AS FE)	11/22/70-07/14/94	8	833.	735.875	1099.	200.	109563.554	331.004	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/22/70-07/14/94	22 ##	5.	6.136	20.	1.	23.861	4.885	1.	2.25	10.	14.2
01055	MANGANESE, TOTAL (UG/L AS MN)	03/19/70-07/14/94	8	114.95	100.85	170.	30.	2187.606	46.772	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	06/10/91-03/24/93	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	01/11/73-04/16/79	11 ##	50.	42.273	50.	5.	296.818	17.228	6.	50.	50.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	06/10/91-07/14/94	3 ##	5.	11.667	25.	5.	133.333	11.547	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/19/70-07/14/94	50 ##	5.	13.74	130.	5.	395.502	19.887	5.	5.	14.	29.5
01147	SELENIUM, TOTAL (UG/L AS SE)	06/10/91-03/24/93	2 ##	7.5	7.5	10.	5.	12.5	3.536	**	**	**	**
31505	COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-10/20/71	13	430.	4180.077	23000.	91.	54393618.41	7375.203	138.6	230.	6250.	19800.
31505	LOG COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)	07/02/68-10/20/71	13	2.633	2.95	4.362	1.959	0.616	0.785	2.104	2.362	3.609	4.287
31505	GM COLIFORM,TOT,MPN,CONFIRMED TEST,35C (TUBE 31506)				892.223								
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	151 ##	50.	238.566	5500.	0.	459174.886	677.624	50.	50.	100.	400.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	151 ##	1.699	1.957	3.74	0.	0.236	0.486	1.699	1.699	2.	2.602
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C				90.571								
32240	TANNIN AND LIGNIN (MG/L)	05/20/92-02/24/93	8	0.65	0.638	0.9	0.2	0.048	0.22	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
38745	2,4-DB WATER, TOTUG/L	07/22/93-07/22/93	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39300	P,P DDT IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	07/11/71-07/11/71	1	0.08	0.08	0.08	0.08	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39400	TOXAPENE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/24/93-07/14/94	2	24.5	24.5	34.	15.	180.5	13.435	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/19/74-06/27/79	12	0.	0.	0.	0.	0.	0.	0.	0.	0.	0.
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/27/79	75 ##	0.05	0.057	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
70507p	PHOSPHORUS,IN TOTAL,ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	136	0.04	0.041	0.17	0.005	0.001	0.024	0.01	0.02	0.05	0.06
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-06/10/91	22 ##	0.25	0.268	0.7	0.15	0.011	0.106	0.18	0.25	0.25	0.355
77825	ALACHLOR WHOLE WATER,UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/20/92-06/22/94	22	4.45	9.577	40.	1.3	122.494	11.068	1.7	2.15	15.2	31.84

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0048

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	20	0	0.00	4	0	0.00	10	0	0.00	6	0	0.00
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	37	0	0.00	12	0	0.00	18	0	0.00	7	0	0.00
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	63	0	0.00	18	0	0.00	31	0	0.00	14	0	0.00
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	117	0	0.00	30	0	0.00	54	0	0.00	33	0	0.00
00400 PH	Fresh Chronic	9.	181	0	0.00	49	0	0.00	83	0	0.00	49	0	0.00
	Other-Lo Lim.	6.5	181	14	0.08	49	1	0.02	83	10	0.12	49	3	0.06
00403 PH, LAB	Fresh Chronic	9.	85	0	0.00	23	0	0.00	40	0	0.00	22	0	0.00
	Other-Lo Lim.	6.5	85	25	0.29	23	3	0.13	40	18	0.45	22	4	0.18
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	153	0	0.00	41	0	0.00	70	0	0.00	42	0	0.00
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	128	0	0.00	37	0	0.00	57	0	0.00	34	0	0.00
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	26	0	0.00	4	0	0.00	13	0	0.00	9	0	0.00
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	148	0	0.00	40	0	0.00	69	0	0.00	39	0	0.00
	Drinking Water	250.	148	0	0.00	40	0	0.00	69	0	0.00	39	0	0.00
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	76	0	0.00	21	0	0.00	37	0	0.00	18	0	0.00
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	25	0	0.00	6	0	0.00	14	0	0.00	5	0	0.00
01002 ARSENIC, TOTAL	Fresh Acute	360.	14	0	0.00	2	0	0.00	5	0	0.00	7	0	0.00
	Drinking Water	50.	14	0	0.00	2	0	0.00	5	0	0.00	7	0	0.00
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00				1	0	0.00	1	0	0.00
	Drinking Water	4.	0&	0	0.00									
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1&	0	0.00	1	0	0.00						
	Drinking Water	5.	1&	0	0.00	1	0	0.00						
01034 CHROMIUM, TOTAL	Drinking Water	100.	25	0	0.00	2	0	0.00	12	0	0.00	11	0	0.00
01042 COPPER, TOTAL	Fresh Acute	18.	24&	1	0.04	1	0	0.00	12	1	0.08	11	0	0.00
	Drinking Water	1300.	25	0	0.00	2	0	0.00	12	0	0.00	11	0	0.00
01051 LEAD, TOTAL	Fresh Acute	82.	22	0	0.00	2	0	0.00	11	0	0.00	9	0	0.00
	Drinking Water	15.	22	2	0.09	2	0	0.00	11	1	0.09	9	1	0.11
01059 THALLIUM, TOTAL	Fresh Acute	1400.	2	0	0.00				1	0	0.00	1	0	0.00
	Drinking Water	2.	0&	0	0.00									
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	11	0	0.00				6	0	0.00	5	0	0.00
	Drinking Water	100.	11	0	0.00				6	0	0.00	5	0	0.00
01067 NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
	Drinking Water	100.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00
01092 ZINC, TOTAL	Fresh Acute	120.	50	1	0.02	11	0	0.00	23	1	0.04	16	0	0.00
	Drinking Water	5000.	50	0	0.00	11	0	0.00	23	0	0.00	16	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00				1	0	0.00	1	0	0.00
	Drinking Water	50.	2	0	0.00				1	0	0.00	1	0	0.00
31505 COLIFORM, TOTAL, MPN, CONF, TEST, 35C	Other-Hi Lim.	1000.	13	5	0.38	6	1	0.17	3	2	0.67	4	2	0.50
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	151	35	0.23	37	14	0.38	74	15	0.20	40	6	0.15
34356 ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00						
34361 ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00						
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLING	Fresh Acute	20.	1	0	0.00	1	0	0.00						
	Drinking Water	1.	1	0	0.00	1	0	0.00						
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00						
39310 P,P'DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00						
39320 P,P'DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00						
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00						
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00						
	Drinking Water	0.2	1	0	0.00	1	0	0.00						
39365 DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00						
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00						
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00						
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00						
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00	1	0	0.00						
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00						
	Drinking Water	0.2	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

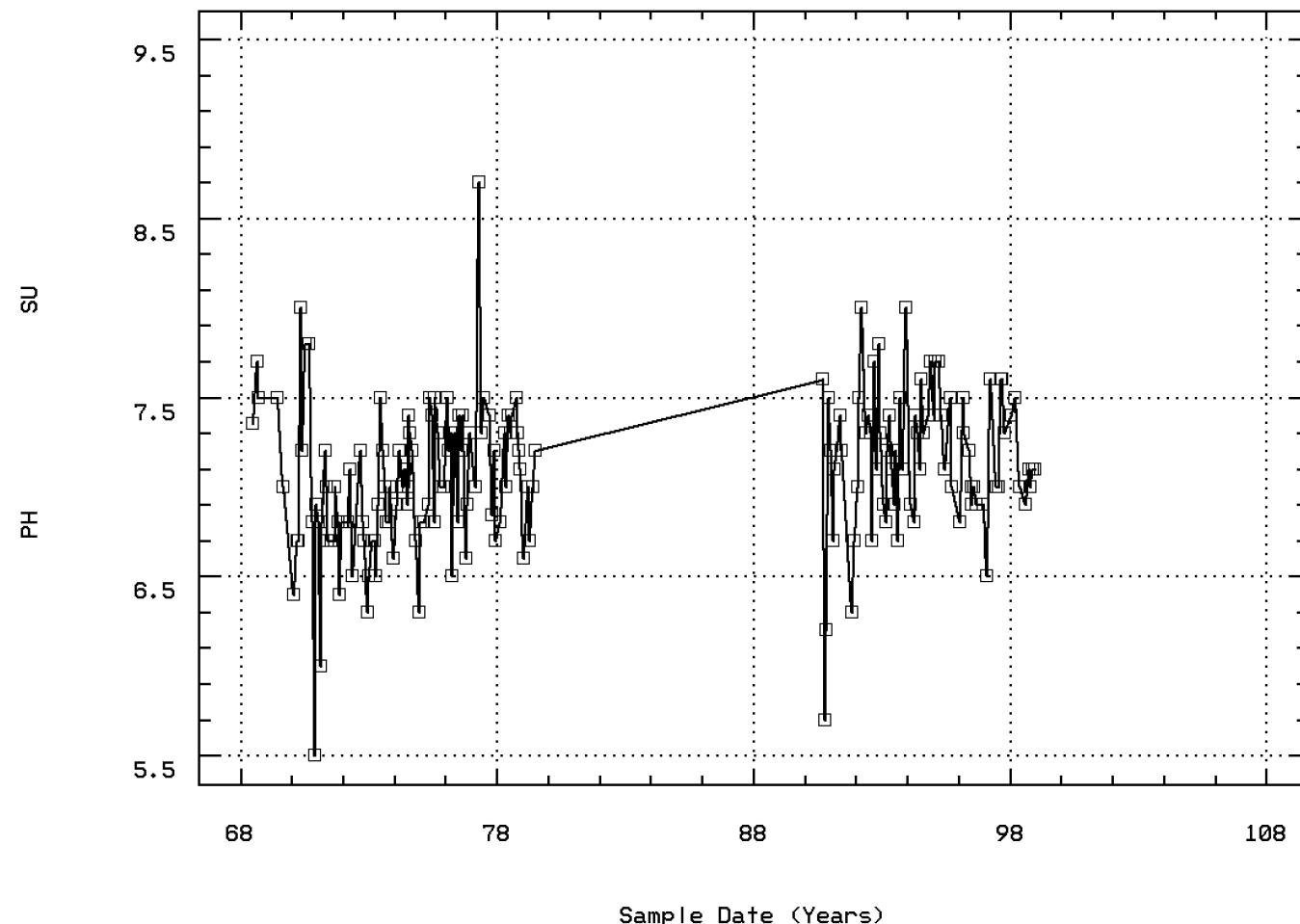
EPA Water Quality Criteria Analysis for Station: FRSP0048

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	12	0	0.00	3	0	0.00	4	0	0.00	5	0	0.00			
71900	MERCURY, TOTAL	Fresh Acute	2.4	22	0	0.00	2	0	0.00	10	0	0.00	10	0	0.00			
82078	TURBIDITY, FIELD	Drinking Water	2.	22	0	0.00	2	0	0.00	10	0	0.00	10	0	0.00			
		Other-Hi Lim.	50.	22	0	0.00	6	0	0.00	9	0	0.00	7	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: FRSP0048 Parameter Code: 00400

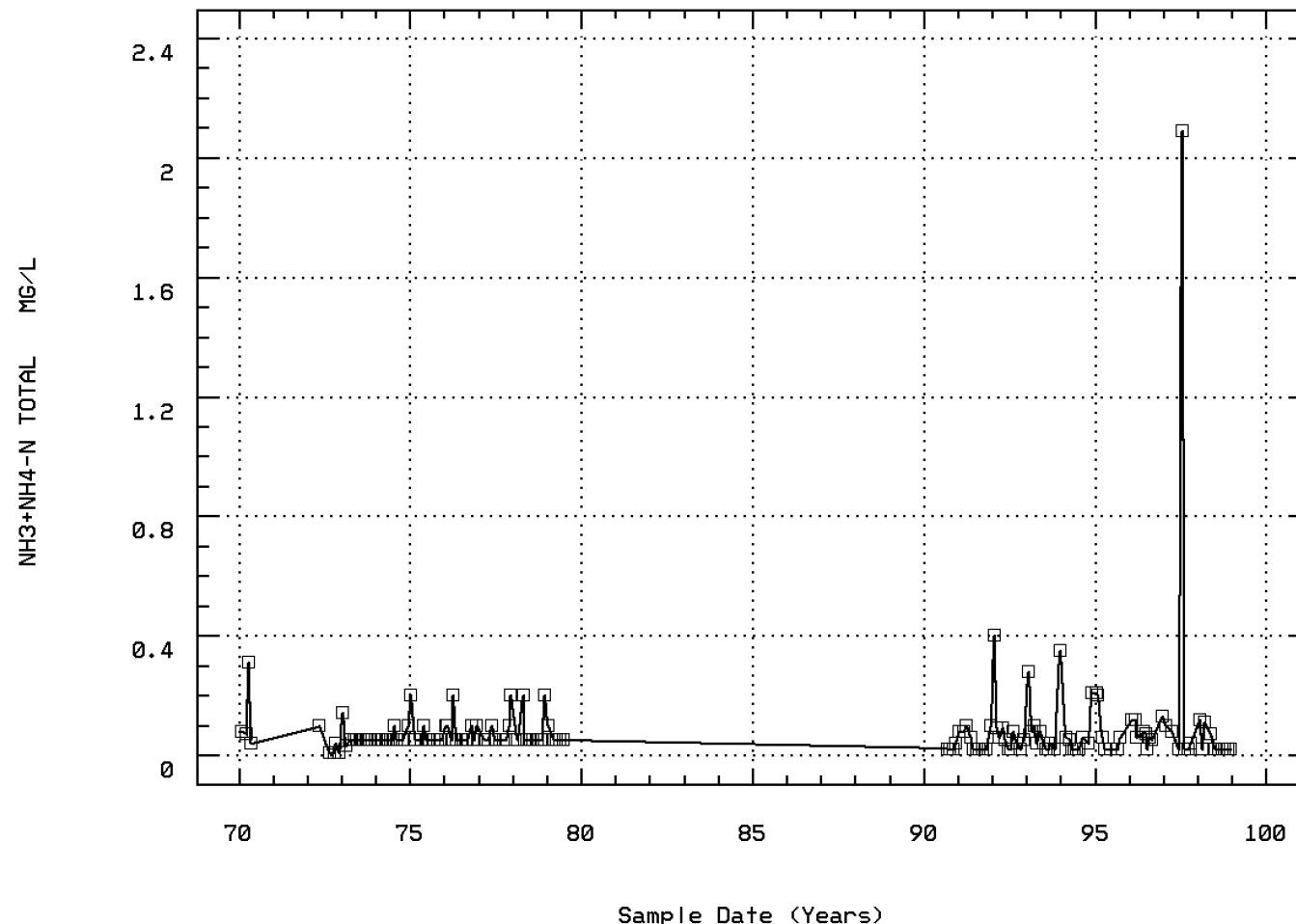
PH (STANDARD UNITS)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00610

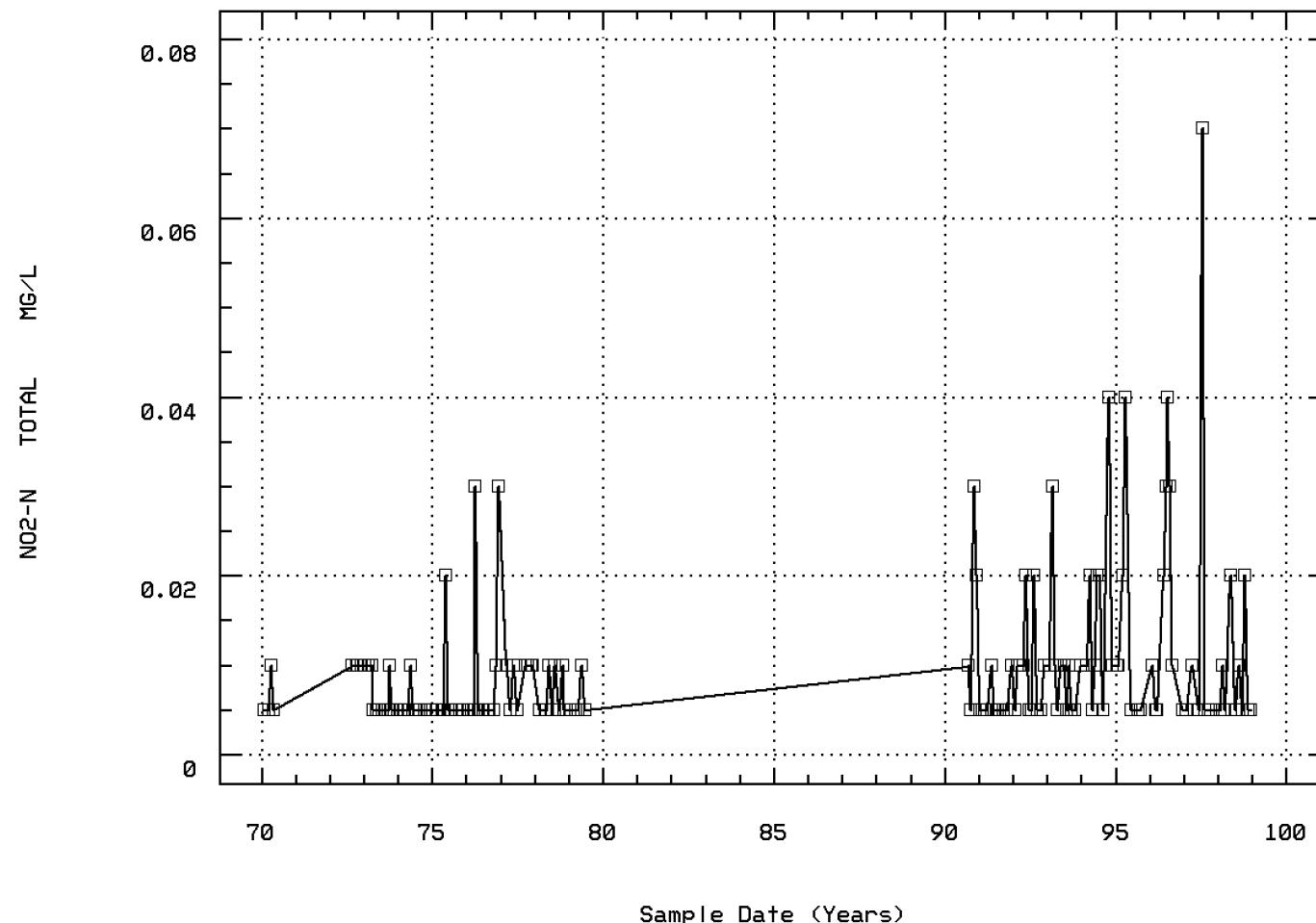
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00615

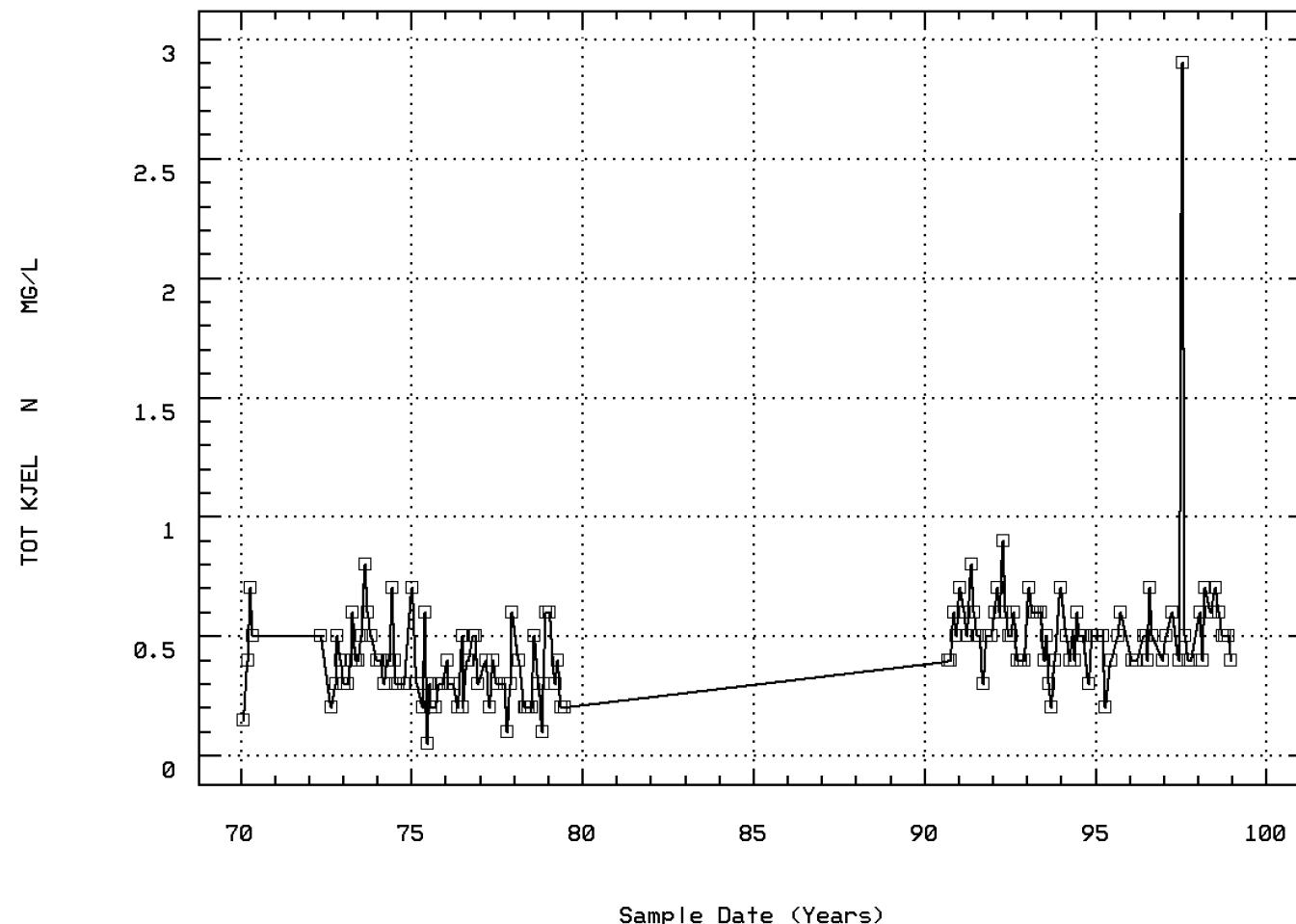
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00625

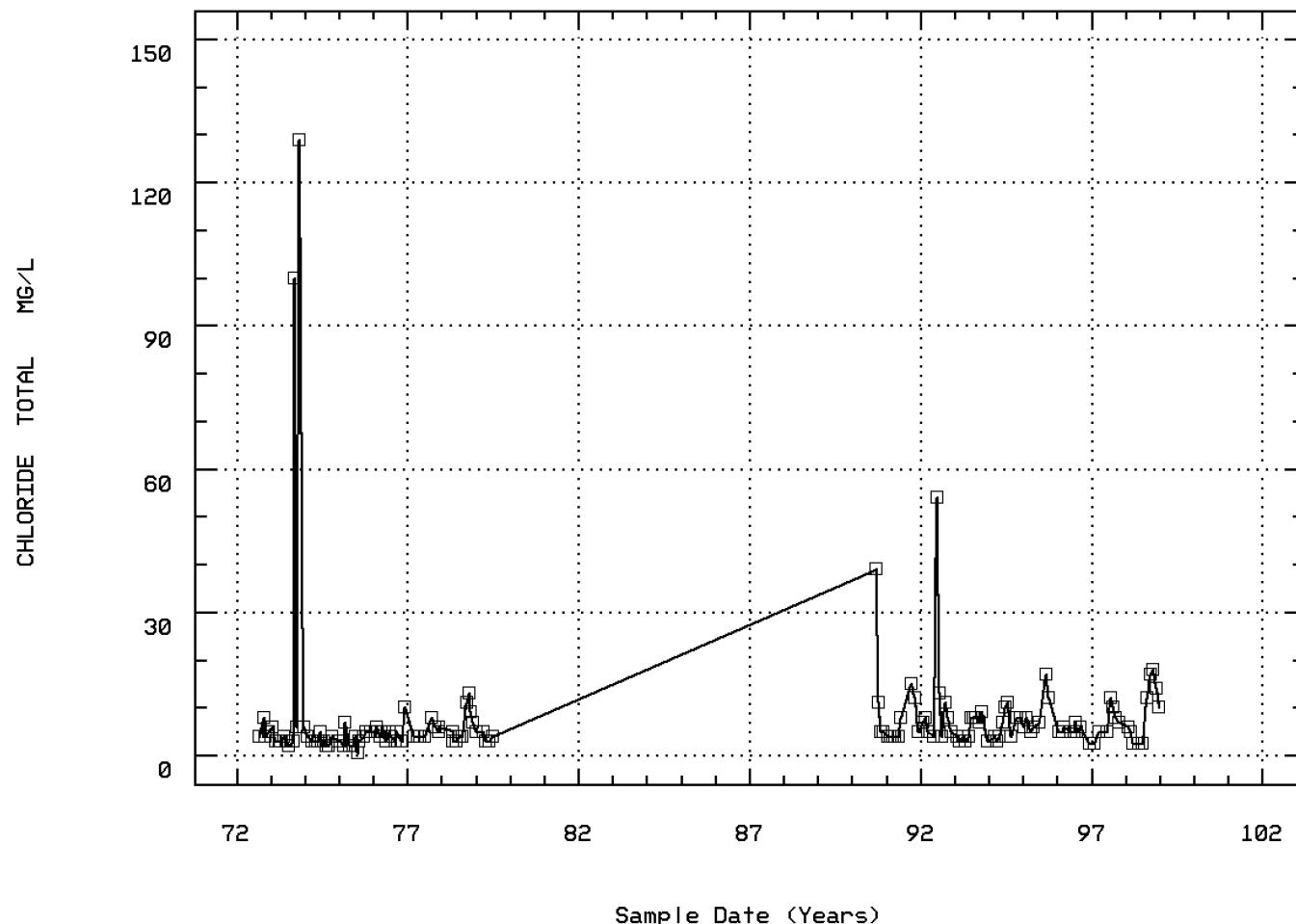
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00940

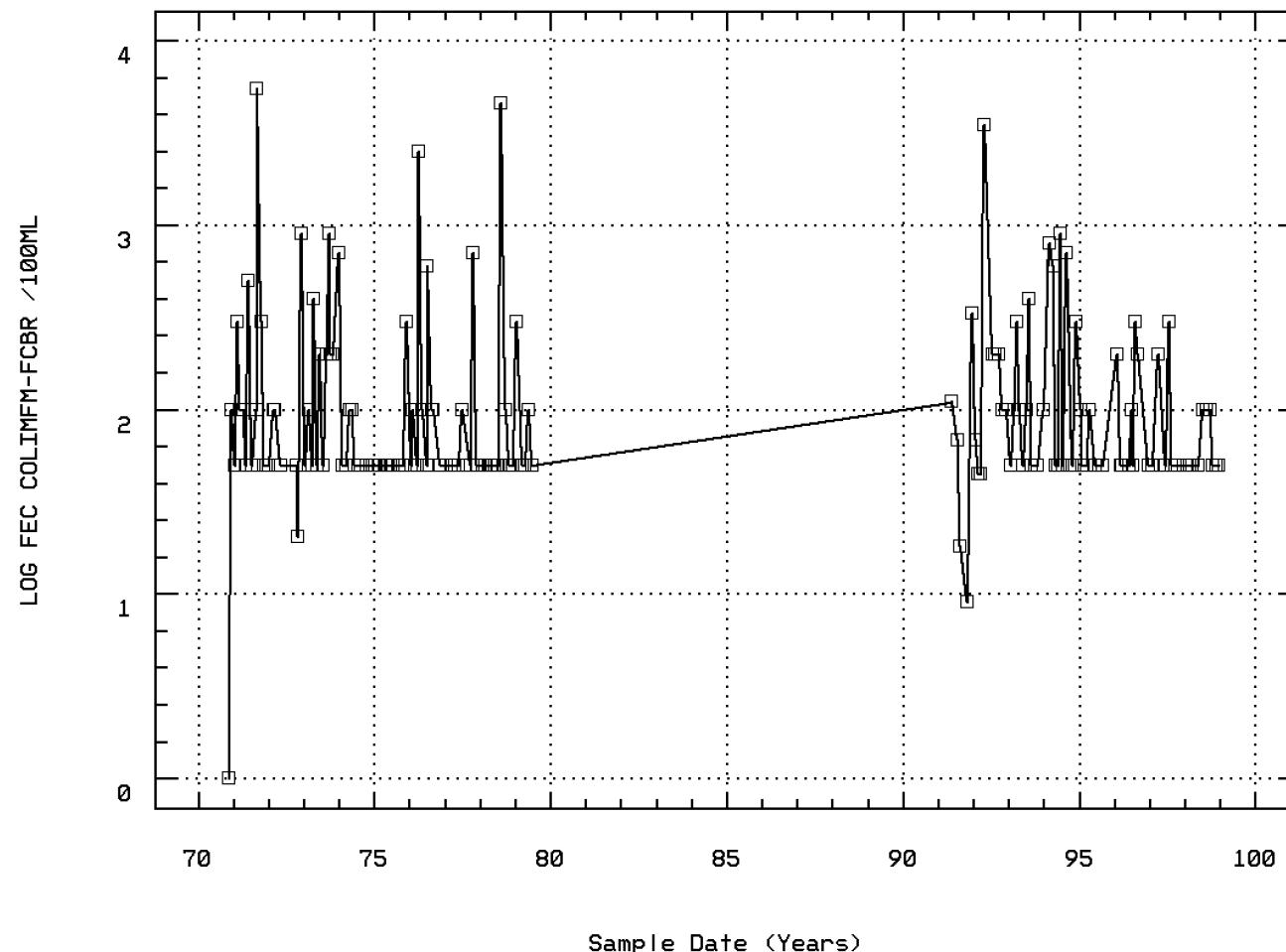
CHLORIDE, TOTAL IN WATER



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 31616

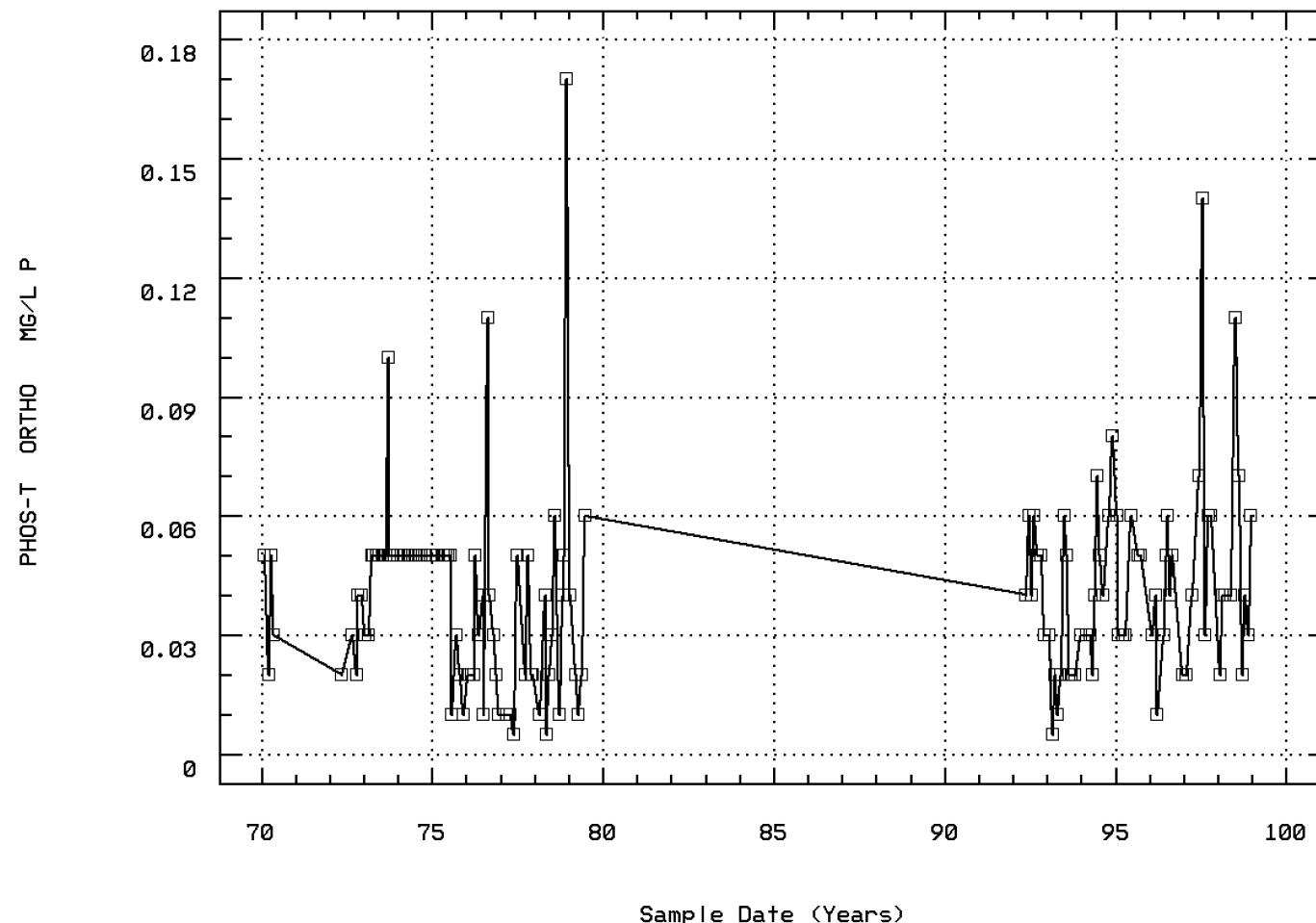
LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 70507

PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/



RT. 1 BRIDGE

Annual Analysis for 1968 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	3	22.8	22.8	27.8	17.8	25.	5.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	2	9.5	9.5	11.	8.	4.5	2.121	**	**	**	**
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	3	7.5	7.517	7.7	7.35	0.031	0.176	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	3	7.5	7.494	7.7	7.35	0.032	0.178	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	3	0.032	0.032	0.045	0.02	0.	0.012	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1969 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	2	23.05	23.05	23.9	22.2	1.445	1.202	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	2	1.3	1.3	1.3	1.3	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	2	7.25	7.25	7.5	7.	0.125	0.354	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	2	7.182	7.182	7.5	7.	0.134	0.367	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	2	0.066	0.066	0.1	0.032	0.002	0.048	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	2	6.65	6.65	6.8	6.5	0.045	0.212	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	2	6.625	6.625	6.8	6.5	0.046	0.215	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	2	0.237	0.237	0.316	0.158	0.012	0.112	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	06/03/69-12/17/98	2	22.5	22.5	25.	20.	12.5	3.536	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	2	94.	94.	101.	87.	98.	9.899	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	2	40.5	40.5	44.	37.	24.5	4.95	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	2	55.5	55.5	64.	47.	144.5	12.021	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	2	3.5	3.5	4.	3.	0.5	0.707	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	2	1.	1.	1.	1.	0.	0.	**	**	**	**

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Annual Analysis for 1970 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	9	10.	11.544	21.1	5.	38.43	6.199	5.	6.15	17.5	21.1
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	10	9.55	9.7	13.	7.6	3.342	1.828	7.62	7.8	11.25	12.9
00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	4	1.9	1.9	2.5	1.3	0.3	0.548	**	**	**	**
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	10	6.85	6.98	8.	5.5	0.573	0.757	5.59	6.625	7.8	7.98
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	10	6.847	6.362	8.	5.5	0.998	0.999	5.59	6.625	7.8	7.98
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	10	0.142	0.435	3.162	0.01	0.933	0.966	0.011	0.016	0.249	2.886
00403	PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	5	6.8	6.76	7.4	6.2	0.228	0.477	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	5	6.8	6.576	7.4	6.2	0.27	0.52	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	5	0.158	0.265	0.631	0.04	0.06	0.245	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	06/03/69-12/17/98	5	14.	17.2	38.	9.	144.7	12.029	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	4	127.	166.5	311.	101.	9753.	98.757	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	4	54.5	60.75	90.	44.	408.917	20.222	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	4	77.	105.75	221.	48.	6612.917	81.32	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	4	43.5	44.5	84.	7.	1217.667	34.895	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	4	7.5	13.	32.	5.	163.333	12.78	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	4	34.	31.5	56.	2.	710.333	26.652	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	4	0.075	0.125	0.31	0.04	0.016	0.124	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	4##	0.005	0.006	0.01	0.005	0.	0.003	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	4	0.175	0.185	0.3	0.09	0.008	0.089	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	4	0.45	0.438	0.7	0.15	0.052	0.229	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	2	50.	50.	100.	0.	5000.	70.711	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	2	1.	1.	2.	0.	2.	1.414	**	**	**	**

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Annual Analysis for 1970 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =		10.									
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/27/79	4	0.05	0.063	0.1	0.05	0.001	0.025	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	4	0.04	0.038	0.05	0.02	0.	0.015	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1971 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	12	15.85	14.175	27.2	0.	75.686	8.7	0.99	7.8	22.1	26.21
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	12	10.3	10.475	14.	7.	5.46	2.337	7.3	8.1	12.75	13.76
00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	3	2.3	2.333	2.6	2.1	0.063	0.252	**	**	**	**
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	12	6.8	6.742	7.2	6.	0.094	0.306	6.12	6.7	6.95	7.14
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	12	6.8	6.618	7.2	6.	0.11	0.332	6.12	6.7	6.95	7.14
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	12	0.158	0.241	1.	0.063	0.064	0.253	0.074	0.115	0.2	0.819
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	12	100.	595.833	5500.	50.	2405662.879	1551.02	50.	50.	300.	4000.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	12	2.	2.157	3.74	1.699	0.375	0.613	1.699	1.699	2.477	3.428
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =		143.671									

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Annual Analysis for 1972 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	9	10.6	11.611	23.9	5.	33.399	5.779	5.	7.5	15.	23.9
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	9	11.4	11.333	13.6	8.4	3.3	1.817	8.4	9.7	13.	13.6
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	8	6.8	6.775	7.2	6.3	0.085	0.292	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	8	6.8	6.69	7.2	6.3	0.093	0.306	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	8	0.158	0.204	0.501	0.063	0.02	0.143	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	5	0.01	0.034	0.1	0.01	0.002	0.039	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	4	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	5	0.07	0.08	0.16	0.03	0.003	0.056	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	5	0.4	0.38	0.5	0.2	0.017	0.13	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	4	4.5	5.25	8.	4.	3.583	1.893	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	8 ##	50.	160.063	900.	10.	90437.174	300.728	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	8 ##	1.699	1.795	2.954	1.	0.332	0.576	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =		62.426									
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/27/79	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	5	0.03	0.03	0.04	0.02	0.	0.01	**	**	**	**

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Annual Analysis for 1973 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	12	13.65	13.708	25.6	0.	71.774	8.472	1.17	5.8	22.75	24.91
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	12	8.8	9.917	14.6	7.8	4.912	2.216	7.86	8.1	11.7	14.06
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	12	6.8	6.85	7.5	6.5	0.086	0.294	6.5	6.625	7.	7.41
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	12	6.8	6.774	7.5	6.5	0.093	0.304	6.5	6.625	7.	7.41
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	12	0.158	0.168	0.316	0.032	0.009	0.092	0.041	0.1	0.238	0.316
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	12 ##	0.05	0.056	0.14	0.03	0.001	0.027	0.036	0.05	0.05	0.113
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	12 ##	0.005	0.007	0.01	0.	0.005	0.002	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	12	0.215	0.194	0.33	0.05	0.005	0.073	0.074	0.15	0.228	0.312

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Annual Analysis for 1973 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	12	0.45	0.517	1.	0.3	0.043	0.208	0.3	0.4	0.6	0.94
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	12	3.5	22.333	129.	2.	1893.515	43.515	2.3	3.	6.	120.3
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	12	200.	258.333	900.	50.	76287.879	276.203	50.	50.	350.	840.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	12	2.301	2.2	2.954	1.699	0.203	0.45	1.699	1.699	2.527	2.921
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				158.532								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/27/79	12 ##	0.05	0.058	0.1	0.05	0.	0.019	0.05	0.05	0.05	0.1
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	12 ##	0.05	0.051	0.1	0.03	0.	0.017	0.03	0.05	0.05	0.085

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	13	18.3	16.438	23.3	4.4	47.053	6.859	5.08	10.	22.75	23.3
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	13	8.	8.646	12.5	4.7	4.323	2.079	5.7	7.5	10.3	12.06
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	12	7.05	7.008	7.4	6.3	0.086	0.294	6.42	6.9	7.2	7.37
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	12	7.047	6.895	7.4	6.3	0.1	0.317	6.42	6.9	7.2	7.37
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	12	0.09	0.127	0.501	0.04	0.016	0.125	0.043	0.063	0.126	0.411
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	10 ##	0.05	0.06	0.1	0.05	0.	0.021	0.05	0.05	0.063	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	10 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	10	0.205	0.2	0.36	0.005	0.01	0.098	0.017	0.143	0.258	0.352
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	10	0.4	0.45	1.	0.3	0.052	0.227	0.3	0.3	0.475	0.97
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	11	3.	3.182	5.	2.	0.764	0.874	2.	3.	4.	4.8
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	9 ##	50.	61.111	100.	50.	486.111	22.048	50.	50.	75.	100.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	9 ##	1.699	1.766	2.	1.699	0.018	0.133	1.699	1.699	1.849	2.
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				58.326								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/27/79	10 ##	0.05	0.055	0.1	0.05	0.	0.016	0.05	0.05	0.05	0.095
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	10 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05

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Annual Analysis for 1975 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	11	16.	15.091	26.1	2.8	68.021	8.247	3.24	6.7	23.3	25.66
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	11	9.4	10.036	13.2	7.6	4.097	2.024	7.62	8.3	12.4	13.12
00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	9	1.	1.5	4.	0.5	1.375	1.173	0.5	1.	2.	4.
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	11	7.	7.073	7.5	6.8	0.086	0.294	6.8	6.8	7.4	7.5
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	11	7.	6.995	7.5	6.8	0.093	0.305	6.8	6.8	7.4	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	11	0.1	0.101	0.158	0.032	0.003	0.055	0.032	0.04	0.158	0.158
00403	PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	2	6.75	6.75	7.	6.5	0.125	0.354	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	2	6.682	6.682	7.	6.5	0.134	0.367	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	2	0.208	0.208	0.316	0.1	0.023	0.153	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-12/17/98	2	21.	21.	24.	18.	18.	4.243	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	5	66.	77.	118.	51.	734.	27.092	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	5	29.	39.6	69.	13.	548.8	23.426	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	5	31.	35.4	59.	13.	398.8	19.97	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	8	7.	6.75	12.	2.	9.071	3.012	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	8	4.	3.875	6.	2.	2.982	1.727	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	8	2.5	2.875	6.	0.	3.268	1.808	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	10 ##	0.05	0.07	0.2	0.05	0.002	0.048	0.05	0.05	0.063	0.19
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	10 ##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.005	0.019
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	10	0.145	0.147	0.31	0.02	0.008	0.087	0.024	0.06	0.208	0.302
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	10	0.3	0.315	0.7	0.5	0.038	0.194	0.065	0.2	0.375	0.69
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	9	8.	8.111	9.	6.	1.111	1.054	6.	7.5	9.	9.

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Annual Analysis for 1975 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	08/31/72-12/17/98	11	3.	3.409	7.	0.5	3.341	1.828	0.8	2.	5.	6.6
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	10 ##	50.	75.	300.	50.	6250.	79.057	50.	50.	50.	275.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	10 ##	1.699	1.777	2.477	1.699	0.061	0.246	1.699	1.699	1.699	2.399
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				59.812								
70505	PHOSPHATE,TOTAL,COLORIMETRIC MÉTHOD (MG/L AS P)	02/03/70-06/27/79	10 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	10 ##	0.05	0.037	0.05	0.01	0.	0.018	0.01	0.018	0.05	0.05

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Annual Analysis for 1976 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	13	12.8	12.992	25.6	1.1	77.617	8.81	1.1	4.45	20.55	24.68
03000	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	12	8.85	9.85	14.2	6.8	6.315	2.513	6.98	8.2	12.6	13.9
00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	10	2.	1.75	3.	0.5	0.736	0.858	0.55	1.	2.25	3.
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	13	7.3	7.131	7.5	6.5	0.104	0.322	6.54	6.85	7.35	7.46
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	13	7.3	7.003	7.5	6.5	0.122	0.349	6.54	6.85	7.35	7.46
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	13	0.05	0.099	0.316	0.032	0.008	0.091	0.035	0.045	0.142	0.29
00500	RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	2	113.	113.	129.	97.	512.	22.627	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	2	57.	57.	63.	51.	72.	8.485	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	2	56.	56.	66.	46.	200.	14.142	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	12	3.	11.917	94.	0.5	690.356	26.275	0.5	0.5	8.75	70.6
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	12	0.5	2.333	10.	0.	10.515	3.243	0.	0.125	5.	8.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	12	0.5	9.75	84.	0.	569.205	23.858	0.	0.125	7.	63.6
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	12 ##	0.05	0.079	0.2	0.05	0.002	0.045	0.05	0.05	0.1	0.17
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	12 ##	0.005	0.01	0.03	0.005	0.	0.01	0.005	0.005	0.009	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	9	0.15	0.169	0.33	0.025	0.011	0.103	0.025	0.075	0.26	0.33
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	11	0.4	0.364	0.5	0.2	0.013	0.112	0.2	0.3	0.5	0.5
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	12	8.	8.833	18.	5.	13.061	3.614	5.	7.	9.75	16.5
00940	CHLORIDE,TOTAL IN WATER MG/L	08/31/72-12/17/98	12	4.5	4.667	10.	3.	3.879	1.969	3.	3.	5.	8.8
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	10	100.	370.	2500.	50.	587888.889	766.739	50.	50.	225.	2310.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	10	2.	2.097	3.398	1.699	0.314	0.561	1.699	1.699	2.195	3.336
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				125.083								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/27/79	12 ##	0.05	0.062	0.1	0.05	0.001	0.023	0.05	0.05	0.088	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	12	0.025	0.033	0.11	0.01	0.001	0.027	0.01	0.02	0.04	0.092

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Annual Analysis for 1977 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	8	7.5	10.813	23.	0.7	98.133	9.906	**	**	**	**
03000	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	7	9.4	9.314	12.	7.2	3.211	1.792	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	8	2.	2.113	4.9	1.	1.758	1.326	**	**	**	**
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	8	7.25	7.33	8.7	6.7	0.382	0.618	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	8	7.247	7.103	8.7	6.7	0.441	0.664	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	8	0.057	0.079	0.2	0.002	0.004	0.066	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	8	3.5	5.688	25.	0.5	66.853	8.176	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	8	2.	1.938	5.	0.5	2.388	1.545	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	8	0.5	3.938	23.	0.	61.531	7.844	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	8 ##	0.05	0.081	0.2	0.05	0.003	0.053	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	8	0.01	0.009	0.01	0.005	0.	0.002	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	8	0.3	0.325	0.6	0.1	0.022	0.149	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	8	7.5	7.	9.	5.	2.286	1.512	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	08/31/72-12/17/98	8	4.5	5.125	8.	4.	2.125	1.458	**	**	**	**

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Annual Analysis for 1977 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	8 ##	50.	137.5	700.	50.	51964.286	227.957	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	8 ##	1.699	1.88	2.845	1.699	0.163	0.404	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	75.834							
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/27/79	7 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	8	0.02	0.023	0.05	0.005	0.	0.018	**	**	**	**

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Annual Analysis for 1978 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	12	13.5	13.55	25.5	0.8	56.459	7.514	1.61	10.	20.75	24.84
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	12	8.85	9.242	13.4	7.2	2.806	1.675	7.35	7.825	10.2	12.44
00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	10	2.	1.7	2.	1.	0.233	0.483	1.	1.	2.	2.
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	11	7.3	7.236	7.5	6.8	0.041	0.201	6.84	7.1	7.4	7.48
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	11	7.3	7.188	7.5	6.8	0.043	0.208	6.84	7.1	7.4	7.48
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	11	0.05	0.065	0.158	0.032	0.001	0.037	0.033	0.04	0.079	0.147
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	10	2.	10.15	84.	0.5	675.169	25.984	0.5	0.5	4.	76.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	10	1.	2.35	12.	0.	13.058	3.614	0.05	0.5	3.25	11.2
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	10	0.75	7.95	72.	0.	506.969	22.516	0.	0.375	2.	65.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	10 ##	0.05	0.08	0.2	0.05	0.004	0.063	0.05	0.05	0.088	0.2
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	10 ##	0.005	0.007	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	10	0.25	0.3	0.6	0.1	0.024	0.156	0.11	0.2	0.425	0.59
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	10	6.5	6.8	10.	4.	3.733	1.932	4.1	5.	8.25	9.9
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	9	5.	6.556	13.	3.	13.528	3.678	3.	3.5	10.	13.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	10 ##	50.	510.	4600.	50.	2065444.444	1437.165	50.	50.	62.5	4150.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	10 ##	1.699	1.925	3.663	1.699	0.382	0.618	1.699	1.699	1.774	3.496
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	84.227							
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/27/79	10 ##	0.05	0.055	0.1	0.05	0.	0.016	0.05	0.05	0.05	0.095
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	10	0.035	0.044	0.17	0.005	0.002	0.048	0.006	0.01	0.053	0.159

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Annual Analysis for 1979 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	5	12.	13.	20.5	4.5	37.375	6.114	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	5	10.2	10.36	12.9	8.9	2.663	1.632	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	5	1.	1.4	2.	1.	0.3	0.548	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	05/22/79-12/17/98	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	5	7.	6.9	7.2	6.6	0.06	0.245	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	5	7.	6.845	7.2	6.6	0.064	0.252	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	5	0.1	0.143	0.251	0.063	0.006	0.079	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	5	5.	10.6	36.	3.	202.3	14.223	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	5	4.	4.2	6.	3.	1.7	1.304	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	5	0.5	6.6	30.	0.	171.675	13.102	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	5 ##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	5 ##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	5	0.3	0.34	0.6	0.2	0.028	0.167	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS CACO3)	03/03/75-09/03/96	5	7.	8.	10.	6.	3.5	1.871	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-12/17/98	1	12.	12.	12.	12.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	5	4.	4.	5.	3.	1.	1.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	5 ##	50.	110.	300.	50.	11750.	108.397	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	5 ##	1.699	1.915	2.477	1.699	0.116	0.34	**	**	**	**
					GEOMETRIC MEAN =	82.188							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station FRSP0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/27/79	5 ##	0.05	0.07	0.1	0.05	0.001	0.027	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	5	0.02	0.03	0.06	0.01	0.	0.02	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station FRSP0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	4	15.7	14.6	21.	6.	47.753	6.91	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	1	175.	175.	175.	0.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	3	103.	126.	181.	94.	2289.	47.843	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	4	9.35	9.975	13.2	8.	5.229	2.287	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	4	2.	1.75	2.	1.	0.25	0.5	**	**	**	**
00340 COD, 25N K2CR2O7 MG/L	05/22/79-12/17/98	4	14.5	15.75	22.	12.	18.917	4.349	**	**	**	**
00400 PH (STANDARD UNITS)	07/02/68-12/17/98	4	6.85	6.75	7.6	5.7	0.897	0.947	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	4	6.48	6.173	7.6	5.7	1.34	1.158	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	4	0.331	0.671	1.995	0.025	0.86	0.928	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	4	6.8	6.775	6.9	6.6	0.016	0.126	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	4	6.8	6.761	6.9	6.6	0.016	0.127	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	4	0.158	0.174	0.251	0.126	0.003	0.054	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-12/17/98	4	22.	23.	29.	19.	18.667	4.32	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	4	103.	103.25	128.	79.	784.25	28.004	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	4	25.5	22.75	28.	12.	56.917	7.544	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	4	83.5	80.5	104.	51.	661.667	25.723	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	4	4.	4.25	5.	4.	0.25	0.5	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	4	2.5	2.75	4.	2.	0.917	0.957	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	4	1.5	1.625	3.	0.5	1.229	1.109	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	4 ##	0.02	0.025	0.04	0.02	0.	0.01	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	4	0.015	0.016	0.03	0.005	0.	0.011	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	4	0.605	0.64	0.9	0.45	0.044	0.21	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	4	0.45	0.475	0.6	0.4	0.009	0.096	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	4	0.1	0.087	0.1	0.05	0.001	0.025	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	4	4.2	4.225	4.5	4.	0.042	0.206	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-12/17/98	4	56.	51.5	62.	32.	179.667	13.404	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	4	8.	15.	39.	5.	264.	16.248	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	09/13/90-12/17/98	4	22.	23.5	37.	13.	141.667	11.902	**	**	**	**

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Annual Analysis for 1991 - Station FRSP0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	8	11.	12.188	20.7	4.5	37.724	6.142	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	1	128.	128.	128.	0.	0.	0.	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	9	71.	89.778	207.	20.	2866.194	53.537	20.	62.5	120.	207.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/17/98	1	11.	11.	11.	11.	0.	0	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	7	10.2	9.257	11.8	6.2	4.863	2.205	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	8	2.5	9.375	59.	1.	402.554	20.064	**	**	**	**
00340 COD, 25N K2CR2O7 MG/L	05/22/79-12/17/98	9	17.	17.667	25.	8.	29.25	5.408	8.	14.5	23.	25.
00400 PH (STANDARD UNITS)	07/02/68-12/17/98	8	7.15	6.975	7.4	6.3	0.136	0.369	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	8	7.147	6.821	7.4	6.3	0.164	0.405	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	8	0.071	0.151	0.501	0.04	0.024	0.155	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	9	6.6	6.767	7.3	6.4	0.108	0.328	6.4	6.55	7.05	7.3
00403 CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	9	6.6	6.679	7.3	6.4	0.116	0.341	6.4	6.55	7.05	7.3
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	9	0.251	0.209	0.398	0.05	0.014	0.116	0.05	0.104	0.284	0.398

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Annual Analysis for 1991 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-12/17/98	9	13.	18.111	36.	6.	106.611	10.325	6.	11.	28.5	36.
00500	RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	9	75.	91.	160.	60.	1189.	34.482	60.	64.5	114.5	160.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	9	23.	24.778	38.	16.	42.694	6.534	16.	21.	29.5	38.
00510	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	9	53.	66.222	122.	40.	880.694	29.676	40.	42.	92.	122.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	9	4.	5.056	15.	1.5	17.34	4.164	1.5	2.	6.5	15.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	9	2.	1.944	4.	1.	0.84	0.917	1.	1.25	2.25	4.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	9	3.	3.722	11.	1.5	8.757	2.959	1.5	1.75	4.5	11.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	10##	0.04	0.052	0.1	0.02	0.001	0.036	0.02	0.02	0.085	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	10##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.006	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	10	0.24	0.398	1.12	0.05	0.141	0.376	0.056	0.11	0.6	1.107
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	10	0.5	0.55	0.8	0.3	0.018	0.135	0.32	0.5	0.625	0.79
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	10	0.1	0.08	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	9	6.3	6.367	7.4	5.6	0.37	0.608	5.6	5.8	6.85	7.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-12/17/98	9	26.	29.889	56.	16.	177.611	13.327	16.	21.	39.	56.
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	9	4.	6.667	15.	4.	17.25	4.153	4.	4.	10.	15.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/13/90-12/17/98	9	11.	17.778	42.	7.	167.444	12.94	7.	9.	30.5	42.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	5	68.	107.	330.	9.	17196.	131.134	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	5	1.833	1.72	2.519	0.954	0.389	0.624	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	52.527								

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Annual Analysis for 1992 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	11	9.2	12.482	24.2	1.4	56.224	7.498	2.1	7.	19.4	23.36
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	11	107.	133.091	242.	77.	3014.891	54.908	78.8	87.	188.	232.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	10	116.	128.4	228.	76.	2820.489	53.108	76.1	78.5	179.75	223.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/17/98	11	9.7	9.509	11.8	6.2	3.691	1.921	6.48	7.9	11.6	11.76
00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	10	2.	1.9	4.	1.	0.989	0.994	1.	1.	2.25	3.9
00340	COD, .25N K2CR2O7 MG/L	05/22/79-12/17/98	10	18.5	18.9	28.	10.	32.322	5.685	10.2	14.25	23.	27.8
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	11	7.3	7.373	8.	6.7	0.138	0.372	6.76	7.1	7.7	7.96
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	11	7.3	7.231	8.	6.7	0.16	0.4	6.76	7.1	7.7	7.96
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	11	0.05	0.059	0.2	0.01	0.003	0.054	0.011	0.02	0.079	0.18
00403	PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	10	7.	7.09	7.6	6.7	0.101	0.318	6.71	6.8	7.375	7.6
00403	CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	10	7.	7.002	7.6	6.7	0.11	0.331	6.71	6.8	7.375	7.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	10	0.1	0.1	0.2	0.025	0.003	0.059	0.025	0.044	0.158	0.195
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-12/17/98	10	17.5	20.9	40.	12.	75.878	8.711	12.2	15.5	26.5	39.1
00500	RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	10	97.5	104.5	162.	69.	1267.833	35.607	69.2	71.75	129.75	162.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	10	29.5	29.8	41.	18.	66.622	8.162	18.5	23.	40.	40.9
00510	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	10	71.	74.7	122.	40.	830.233	28.814	40.8	51.75	97.	121.9
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	10	4.	4.65	15.	1.5	16.281	4.035	1.5	1.5	5.5	14.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	10	1.5	1.7	3.	1.	0.344	0.587	1.	1.375	2.	2.9
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	10	3.	3.55	13.	1.5	11.747	3.427	1.5	1.5	3.25	12.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	11	0.05	0.084	0.4	0.02	0.012	0.108	0.02	0.02	0.09	0.338
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	11	0.01	0.01	0.02	0.005	0.	0.006	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	11	0.4	0.41	0.81	0.12	0.049	0.221	0.122	0.2	0.59	0.786
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	11	0.6	0.564	0.9	0.4	0.023	0.15	0.4	0.4	0.6	0.86
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	11	0.1	0.118	0.2	0.05	0.003	0.056	0.05	0.1	0.2	0.2
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	10	6.95	7.33	14.2	2.9	10.902	3.302	3.09	5.025	9.175	13.87
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-12/17/98	10	35.	37.5	66.	18.	222.944	14.931	18.7	27.25	46.	65.2
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	10	7.5	11.9	54.	4.	227.656	15.088	4.	4.75	11.5	49.9
00945	SULFATE, TOTAL (MG/L AS SO4)	09/13/90-12/17/98	10	17.	23.5	56.	8.	305.611	17.482	8.2	10.75	34.75	55.6
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	9	100.	495.333	3500.	45.	1273809.75	1128.632	45.	56.5	200.	3500.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	9	2.	2.176	3.544	1.653	0.331	0.575	1.653	1.743	2.301	3.544
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	150.049								
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	7	0.05	0.047	0.06	0.03	0.	0.011	**	**	**	**

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Annual Analysis for 1993 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	11	16.8	14.564	23.2	2.5	73.673	8.583	2.6	4.4	22.8	23.12
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	11	110.	156.818	379.	58.	13979.764	118.236	59.4	72.	313.	366.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	11	106.	143.091	358.	51.	11241.491	106.026	52.2	71.	271.	341.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/17/98	11	8.9	9.236	12.6	6.8	5.269	2.295	6.82	7.1	12.	12.5
00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	11	2.	1.727	3.	1.	0.618	0.786	1.	1.	2.	3.
00340	COD, 25N K2CR207 MG/L	05/22/79-12/17/98	11	16.	16.818	27.	8.	44.364	6.661	8.4	11.	23.	26.6
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	11	7.1	7.164	8.	6.7	0.137	0.37	6.72	6.9	7.4	7.9
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	11	7.1	7.052	8.	6.7	0.15	0.388	6.72	6.9	7.4	7.9
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	11	0.079	0.089	0.2	0.01	0.003	0.058	0.014	0.04	0.126	0.191
00403	PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	11	6.8	6.791	7.4	6.3	0.165	0.406	6.3	6.4	7.1	7.4
00403	CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	11	6.8	6.639	7.4	6.3	0.19	0.436	6.3	6.4	7.1	7.4
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	11	0.158	0.23	0.501	0.04	0.033	0.182	0.04	0.079	0.398	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-12/17/98	11	11.	14.364	26.	7.	52.055	7.215	7.	8.	23.	25.6
00500	RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	11	89.	120.455	279.	63.	4813.873	69.382	63.2	68.	182.	262.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	11	29.	31.	67.	15.	200.2	14.149	16.2	22.	34.	62.4
00510	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	11	64.	89.455	212.	24.	3616.273	60.135	27.	48.	153.	202.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	11	5.	6.682	23.	1.5	44.614	6.679	1.5	1.5	10.	20.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	11	2.	2.5	5.	1.5	1.65	1.285	1.5	1.5	4.	4.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	11	3.	4.864	18.	1.5	25.305	5.03	1.5	1.5	8.	16.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	11	0.04	0.097	0.35	0.02	0.013	0.112	0.02	0.02	0.1	0.336
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	11	0.01	0.01	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.026
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	11	0.25	0.395	0.76	0.08	0.073	0.27	0.1	0.19	0.72	0.76
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	11	0.6	0.509	0.7	0.2	0.027	0.164	0.22	0.4	0.6	0.7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	11 ##	0.05	0.073	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	11	6.2	6.6	14.3	3.1	9.696	3.114	3.18	4.3	7.5	13.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-12/17/98	10	27.	50.1	138.	16.	1928.1	43.91	16.	17.5	96.5	134.
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	11	4.	5.545	9.	3.	5.873	2.423	3.	3.	8.	8.8
00945	SULFATE, TOTAL (MG/L AS SO4)	09/13/90-12/17/98	11	15.	48.455	136.	8.	2515.073	50.151	8.	10.	90.	133.2
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	10	100.	130.	400.	50.	14555.556	120.646	50.	50.	150.	390.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	10	2.	1.988	2.602	1.699	0.106	0.325	1.699	1.699	2.119	2.59
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			97.164								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	11	0.02	0.026	0.06	0.005	0.	0.016	0.006	0.02	0.03	0.058

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Annual Analysis for 1994 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	9	16.2	15.167	25.3	5.3	57.783	7.601	5.3	7.9	22.05	25.3
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	9	101.	95.	145.	44.	1312.5	36.228	44.	61.	126.5	145.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	9	88.	84.333	124.	38.	1016.5	31.883	38.	53.	113.5	124.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/17/98	9	9.1	9.267	11.9	6.5	4.503	2.122	6.5	7.15	11.45	11.9
00310	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	9	2.	2.067	4.5	0.5	1.32	1.149	0.5	1.3	2.65	4.5
00340	COD, 25N K2CR207 MG/L	05/22/79-12/17/98	9	18.	18.444	24.	10.	17.528	4.187	10.	16.5	21.5	24.
00400	PH (STANDARD UNITS)	07/02/68-12/17/98	9	7.3	7.278	7.7	6.8	0.089	0.299	6.8	7.	7.5	7.7
00400	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	9	7.3	7.184	7.7	6.8	0.099	0.315	6.8	7.	7.5	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	9	0.05	0.065	0.158	0.02	0.002	0.047	0.02	0.032	0.103	0.158
00403	PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	9	6.5	6.544	7.	6.2	0.085	0.292	6.2	6.3	6.85	7.
00403	CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	9	6.5	6.466	7.	6.2	0.092	0.304	6.2	6.3	6.85	7.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	9	0.316	0.342	0.631	0.1	0.039	0.198	0.1	0.142	0.515	0.631
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-12/17/98	9	20.	17.667	33.	5.	93.75	9.682	5.	8.	24.5	33.
00500	RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	9	80.	81.222	105.	55.	232.694	15.254	55.	70.5	93.	105.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	9	29.	28.222	34.	21.	21.194	4.604	21.	24.	33.	34.
00510	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	9	53.	53.	76.	34.	162.25	12.738	34.	44.	63.	76.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	9	6.	10.222	38.	1.5	184.319	13.576	1.5	1.5	18.	38.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	9	1.5	2.667	6.	1.	3.375	1.837	1.	1.5	4.5	6.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	9	3.	8.222	32.	1.5	131.319	11.459	1.5	1.5	14.5	32.

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Annual Analysis for 1994 - Station FRSP0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	9	0.04	0.056	0.21	0.02	0.004	0.06	0.02	0.02	0.06	0.21
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	9	0.01	0.016	0.04	0.005	0.	0.011	0.005	0.008	0.02	0.04
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	9	0.4	0.421	0.9	0.05	0.097	0.312	0.05	0.15	0.75	0.9
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	9	0.5	0.467	0.6	0.3	0.008	0.087	0.3	0.4	0.5	0.6
00665 PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	9	0.1	0.083	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	9	6.1	6.078	7.9	4.4	1.207	1.099	4.4	5.2	6.9	7.9
00900 HARDNESS, TOTAL (MG/L AS CACO ₃)	04/16/79-12/17/98	9	23.	23.667	35.	11.	80.	8.944	11.	14.5	32.	35.
00940 CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	9	7.	6.556	11.	3.	8.528	2.92	3.	4.	9.	11.
00945 SULFATE, TOTAL (MG/L AS SO ₄)	09/13/90-12/17/98	9	9.	9.111	12.	6.	5.361	2.315	6.	7.	11.5	12.
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	9	300.	388.889	900.	50.	129861.111	360.362	50.	50.	750.	900.
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	9	2.477	2.306	2.954	1.699	0.349	0.591	1.699	1.699	2.874	2.954
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			202.28								
70507 PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	9	0.04	0.047	0.08	0.02	0.	0.02	0.02	0.03	0.065	0.08

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Annual Analysis for 1995 - Station FRSP0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	7	12.4	12.986	22.6	3.9	54.338	7.371	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	7	102.	116.143	176.	76.	1762.476	41.982	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	7	97.	118.286	208.	75.	2727.571	52.226	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/17/98	7	9.7	9.357	11.9	6.4	4.8	2.191	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	7	1.8	1.629	2.6	0.5	0.489	0.699	**	**	**	**
00340 COD, .25N K ₂ CR ₂ O ₇ MG/L	05/22/79-12/17/98	7	20.	17.714	22.	10.	20.238	4.499	**	**	**	**
00400 PH (STANDARD UNITS)	07/02/68-12/17/98	7	7.4	7.4	7.7	7.	0.073	0.271	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	7	7.4	7.326	7.7	7.	0.08	0.282	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/02/68-12/17/98	7	0.04	0.047	0.1	0.02	0.001	0.031	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	7	6.8	6.743	7.1	6.3	0.083	0.288	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	7	6.8	6.66	7.1	6.3	0.091	0.302	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	06/03/69-12/17/98	7	0.158	0.219	0.501	0.079	0.023	0.151	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO ₃)	06/03/69-12/17/98	7	18.	21.	38.	14.	68.	8.246	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	7	75.	84.714	123.	63.	511.905	22.625	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	7	23.	24.429	34.	14.	56.952	7.547	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	7	52.	60.286	89.	40.	289.905	17.027	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	7	3.	3.214	8.	1.5	5.405	2.325	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	7##	1.5	1.857	4.	1.5	0.893	0.945	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	7##	1.5	1.857	4.	1.5	0.893	0.945	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	7	0.06	0.084	0.21	0.02	0.007	0.084	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	7	0.01	0.014	0.04	0.005	0.	0.013	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	7	0.27	0.327	0.63	0.12	0.032	0.178	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	7	0.5	0.457	0.6	0.2	0.016	0.127	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	7##	0.05	0.064	0.1	0.05	0.001	0.024	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	7	6.5	6.914	8.9	4.2	3.268	1.808	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO ₃)	04/16/79-12/17/98	7	28.	28.286	41.	18.	58.238	7.631	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	7	7.	8.714	17.	5.	18.571	4.309	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO ₄)	09/13/90-12/17/98	7	10.	12.857	28.	7.	51.476	7.175	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	6##	50.	66.667	100.	50.	666.667	25.82	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	6##	1.699	1.799	2.	1.699	0.024	0.155	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			62.996								
70507 PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	7	0.05	0.044	0.06	0.03	0.	0.014	**	**	**	**

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Annual Analysis for 1996 - Station FRSP0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	9	14.7	14.144	23.7	3.5	69.91	8.361	3.5	6.3	22.15	23.7
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	9	78.	81.222	101.	64.	147.944	12.163	64.	71.5	91.	101.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	9	77.	78.778	101.	63.	133.694	11.563	63.	70.	87.	101.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/17/98	9	9.	9.867	13.2	6.9	6.625	2.574	6.9	7.45	12.55	13.2
00310 BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	9	2.	1.389	2.	0.5	0.549	0.741	0.5	0.5	2.	2.
00340 COD, 25N K2CR207 MG/L	05/22/79-12/17/98	9	15.	15.556	20.	12.	5.278	2.297	12.	14.	17.	20.
00400 PH (STANDARD UNITS)	07/02/68-12/17/98	9	7.	7.056	7.5	6.8	0.053	0.23	6.8	6.9	7.25	7.5
00400 CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	9	7.	7.009	7.5	6.8	0.055	0.235	6.8	6.9	7.25	7.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	9	0.1	0.098	0.158	0.032	0.002	0.042	0.032	0.057	0.126	0.158
00403 PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	9	6.8	6.778	7.	6.5	0.024	0.156	6.5	6.65	6.9	7.
00403 CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	9	6.8	6.752	7.	6.5	0.025	0.159	6.5	6.65	6.9	7.
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	9	0.158	0.177	0.316	0.1	0.005	0.069	0.1	0.126	0.225	0.316
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-12/17/98	9	14.	14.556	23.	9.	24.278	4.927	9.	10.	18.5	23.
00500 RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	9	79.	75.333	94.	41.	237.	15.395	41.	68.	86.	94.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	9	27.	26.778	32.	22.	10.444	3.232	22.	24.	29.5	32.
00510 RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	9	50.	48.556	72.	11.	298.528	17.278	11.	42.5	61.	72.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	9	7.	6.944	17.	1.5	22.903	4.786	1.5	3.	9.5	17.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	9 ##	1.5	1.944	4.	1.5	0.84	0.917	1.5	1.5	2.25	4.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	9	5.	5.5	14.	1.5	14.	3.742	1.5	3.	7.	14.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	9	0.07	0.079	0.13	0.02	0.001	0.037	0.02	0.055	0.12	0.13
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	9	0.01	0.017	0.04	0.005	0.	0.013	0.005	0.005	0.03	0.04
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	9	0.24	0.304	0.52	0.17	0.016	0.125	0.17	0.215	0.415	0.52
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	9	0.4	0.467	0.7	0.4	0.01	0.1	0.4	0.4	0.5	0.7
00665 PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	9 ##	0.05	0.067	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	8	6.05	5.8	6.9	3.9	1.031	1.016	**	**	**	**
00900 HARDDNESS, TOTAL (MG/L AS CACO3)	04/16/79-12/17/98	9	24.	22.778	30.	16.	21.944	4.684	16.	18.5	26.	30.
00940 CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	9	5.	5.167	7.	2.5	1.5	1.225	2.5	5.	6.	7.
00945 SULFATE, TOTAL (MG/L AS SO4)	09/13/90-12/17/98	9	8.	9.556	18.	6.	15.528	3.941	6.	7.	12.	18.
31616 FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	9 ##	50.	116.667	300.	50.	8750.	93.541	50.	50.	200.	300.
31616 LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	9 ##	1.699	1.953	2.477	1.699	0.105	0.324	1.699	2.301	2.477	
31616 GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	89.675								
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	9	0.04	0.037	0.06	0.01	0.	0.016	0.01	0.025	0.05	0.06

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1997 - Station FRSP0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	7	18.6	16.343	25.2	4.7	60.853	7.801	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	7	99.	108.	177.	64.	1675.333	40.931	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	7	116.	116.429	177.	61.	1965.952	44.339	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/17/98	7	7.9	8.743	11.8	6.9	2.736	1.654	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	7	1.	1.429	3.	1.	0.619	0.787	**	**	**	**
00340 COD, 25N K2CR207 MG/L	05/22/79-12/17/98	6	13.5	14.833	22.	10.	19.367	4.401	**	**	**	**
00400 PH (STANDARD UNITS)	07/02/68-12/17/98	7	7.3	7.229	7.6	6.5	0.176	0.419	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	7	7.3	7.038	7.6	6.5	0.218	0.467	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	7	0.05	0.092	0.316	0.025	0.011	0.105	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	7	6.8	6.914	7.3	6.7	0.041	0.204	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	7	6.8	6.879	7.3	6.7	0.043	0.207	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	7	0.158	0.132	0.2	0.05	0.003	0.051	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-12/17/98	7	23.	23.	43.	10.	128.	11.314	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	7	103.	102.143	126.	65.	528.81	22.996	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	7	32.	31.571	46.	20.	65.619	8.101	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	7	69.	70.571	106.	40.	535.286	23.136	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	7	5.	13.214	56.	1.5	374.821	19.36	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	7 ##	1.5	3.	8.	1.5	5.833	2.415	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	7	4.	11.	48.	1.5	277.917	16.671	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1997 - Station FRSP0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	7	0.04	0.339	2.09	0.02	0.597	0.773	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	7##	0.005	0.015	0.07	0.005	0.001	0.024	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	7	0.48	0.481	0.84	0.22	0.053	0.23	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	7	0.5	0.814	2.9	0.4	0.851	0.923	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	7	0.1	0.107	0.2	0.05	0.002	0.045	**	**	**	**
00900 HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-12/17/98	6	30.5	31.5	46.	20.	109.9	10.483	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	7	7.	7.071	12.	2.5	10.536	3.246	**	**	**	**
00945 SULFATE, TOTAL (MG/L AS SO4)	09/13/90-12/17/98	7	17.	15.286	24.	7.	49.238	7.017	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	7##	50.	107.143	300.	50.	10357.143	101.77	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	7##	1.699	1.896	2.477	1.699	0.116	0.341	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		78.731									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	7	0.06	0.06	0.14	0.02	0.002	0.04	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1998 - Station FRSP0048

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	8	9.3	12.213	22.8	3.5	70.141	8.375	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	8	142.5	142.875	242.	70.	4437.268	66.613	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	10	114.5	129.9	254.	53.	5473.433	73.983	54.	65.25	188.75	251.9
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/17/98	8	9.3	9.475	12.6	6.3	6.222	2.494	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	10##	1.	1.4	3.	1.	0.489	0.699	1.	1.	2.	2.9
00340 COD, .25N K2CR2O7 MG/L	05/22/79-12/17/98	5	14.	14.6	19.	12.	7.3	2.702	**	**	**	**
00400 PH (STANDARD UNITS)	07/02/68-12/17/98	8	7.1	7.138	7.5	6.9	0.043	0.207	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	8	7.1	7.1	7.5	6.9	0.044	0.21	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	8	0.079	0.079	0.126	0.032	0.001	0.031	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	10	6.5	6.53	7.	6.3	0.047	0.216	6.3	6.3	6.625	6.97
00403 CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	10	6.5	6.488	7.	6.3	0.049	0.221	6.3	6.3	6.625	6.97
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	10	0.316	0.325	0.501	0.1	0.019	0.138	0.11	0.238	0.501	0.501
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-12/17/98	10	22.	22.	38.	7.	108.889	10.435	7.3	13.	30.75	37.5
00500 RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	10	96.	102.	159.	62.	1139.333	33.754	62.5	71.5	131.25	158.1
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	10	23.5	22.4	26.	16.	11.6	3.406	16.1	20.	25.	25.9
00510 RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	10	72.5	79.6	135.	46.	1018.711	31.917	46.3	49.75	106.	134.2
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	10##	2.25	7.15	29.	1.5	102.225	10.111	1.5	1.5	9.5	28.4
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	10##	1.5	2.25	5.	1.5	1.681	1.296	1.5	1.5	3.25	4.9
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	10##	1.5	5.65	24.	1.5	71.392	8.449	1.5	1.5	7.	23.5
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	10##	0.02	0.044	0.12	0.02	0.002	0.041	0.02	0.02	0.08	0.119
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	10##	0.005	0.009	0.02	0.005	0.	0.006	0.005	0.005	0.013	0.02
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	10	0.245	0.393	0.89	0.08	0.105	0.324	0.081	0.15	0.8	0.887
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	10	0.55	0.55	0.7	0.4	0.012	0.108	0.4	0.475	0.625	0.7
00665 PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	10	0.1	0.105	0.2	0.05	0.001	0.037	0.055	0.1	0.1	0.19
00900 HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-12/17/98	5	21.	26.8	41.	13.	165.2	12.853	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	10	8.	8.95	18.	2.5	36.858	6.071	2.5	2.5	14.75	17.9
00945 SULFATE, TOTAL (MG/L AS SO4)	09/13/90-12/17/98	10	13.5	18.8	46.	7.	165.733	12.874	7.1	8.	27.	44.7
31616 FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	10##	50.	65.	100.	50.	583.333	24.152	50.	50.	100.	100.
31616 LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	10##	1.699	1.789	2.	1.699	0.021	0.145	1.699	1.699	2.	2.
31616 GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		61.557									
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	10	0.04	0.047	0.11	0.02	0.001	0.027	0.02	0.028	0.063	0.106

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	48	22.3	21.269	27.8	2.4	22.643	4.758	16.05	20.05	23.6	25.51
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/21/71-03/17/92	4	2.4	7.2	23.	1.	111.447	10.557	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	19	175.	171.211	379.	74.	6421.731	80.136	76.	101.	194.	316.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	20	176.5	172.15	358.	72.	5132.45	71.641	73.4	117.25	207.75	272.9
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/17/98	18	7.45	7.394	8.9	6.2	0.579	0.761	6.29	6.8	8.025	8.36
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	30	8.	7.95	11.	4.7	0.978	0.989	7.02	7.675	8.4	8.8
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	31	1.	1.387	3.	0.5	0.394	0.628	1.	1.	2.	2.
00340	COD, .25N K2CR2O7 MG/L	05/22/79-12/17/98	18	15.	16.444	28.	8.	29.908	5.469	9.8	12.75	20.25	26.2
00400p	PH (STANDARD UNITS)	07/02/68-12/17/98	49	7.2	7.193	7.8	5.7	0.144	0.379	6.7	7.	7.5	7.6
00400p	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	49	7.2	6.937	7.8	5.7	0.211	0.459	6.7	7.	7.5	7.6
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	49	0.063	0.116	1.995	0.016	0.078	0.279	0.025	0.032	0.1	0.2
00403p	PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	23	6.9	6.939	7.6	6.3	0.106	0.326	6.44	6.8	7.1	7.4
00403p	CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	23	6.9	6.825	7.6	6.3	0.12	0.346	6.44	6.8	7.1	7.4
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	23	0.126	0.15	0.501	0.025	0.014	0.118	0.04	0.079	0.158	0.365
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-12/17/98	23	24.	27.	43.	11.	79.727	8.929	16.4	20.	36.	39.2
00500p	RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	25	118.	121.4	279.	66.	1959.667	44.268	79.	91.	131.	170.
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	25	32.	33.52	67.	13.	157.677	12.557	21.2	24.5	40.	55.8
00510p	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	25	78.	88.04	212.	46.	1534.54	39.173	47.	57.5	105.	142.2
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	31	3.	6.548	84.	0.5	218.123	14.769	1.5	1.5	6.	10.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	31 ##	1.5	2.194	12.	0.	4.661	2.159	1.	1.5	2.	4.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	31	1.5	5.048	72.	0.	163.039	12.769	0.6	1.5	3.	9.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	41 ##	0.05	0.09	2.09	0.01	0.103	0.321	0.02	0.02	0.05	0.06
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	41 ##	0.005	0.01	0.07	0.005	0.	0.012	0.005	0.005	0.01	0.02
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	37	0.22	0.329	1.12	0.025	0.08	0.282	0.058	0.12	0.505	0.786
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	41	0.4	0.495	2.9	0.2	0.177	0.421	0.2	0.3	0.5	0.68
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	23	0.1	0.1	0.2	0.05	0.003	0.052	0.05	0.05	0.1	0.2
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	26	6.4	6.438	10.9	3.1	3.896	1.974	3.78	4.95	8.	9.3
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-12/17/98	17	42.	50.353	138.	20.	866.868	29.443	21.6	30.5	60.	104.4
00940p	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	40	6.5	10.213	100.	0.5	255.96	15.999	2.1	4.	11.	16.8
00945	SULFATE, TOTAL (MG/L AS SO4)	09/13/90-12/17/98	21	24.	32.381	136.	7.	970.048	31.146	7.2	12.	41.5	82.4
01092	ZINC, TOTAL (UG/L AS ZN)	03/19/70-07/14/94	11	10.	15.909	60.	5.	264.091	16.251	5.	5.	20.	53.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	37	100.	429.622	5500.	10.	1303355.075	1141.646	50.	50.	200.	740.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	37	2.	2.087	3.74	1.	0.332	0.576	1.699	1.699	2.301	2.867
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	11/22/70-12/17/98	37	2.	2.087	3.74	1.	0.332	0.576	1.699	1.699	2.301	2.867
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/27/79	18 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
70507p	PHOSPHORUS, IN TOTAL, ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	36	0.05	0.047	0.14	0.01	0.001	0.027	0.017	0.03	0.05	0.079
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-06/10/91	2 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	86	6.7	7.303	16.8	0.	16.744	4.092	2.17	4.4	10.	13.3
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/21/71-03/17/92	10	8.25	10.28	20.3	5.3	26.713	5.168	5.34	6.525	15.45	19.95
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	31	88.	105.645	313.	44.	2910.703	53.951	64.	70.	119.	171.2
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	37	79.	94.622	271.	20.	2469.353	49.693	52.	64.	108.5	158.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/17/98	31	11.6	11.161	13.2	6.8	1.98	1.407	9.44	10.5	12.	12.6
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	54	11.4	11.194	14.6	6.2	3.653	1.911	8.5	9.975	12.8	13.3
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	59	2.	2.895	59.	0.5	55.933	7.479	1.	1.	2.	3.
00340	COD, .25N K2CR2O7 MG/L	05/22/79-12/17/98	36	16.5	17.361	25.	10.	18.58	4.31	12.	14.	21.	24.
00400p	PH (STANDARD UNITS)	07/02/68-12/17/98	83	6.9	6.974	8.	5.5	0.188	0.434	6.44	6.7	7.3	7.5
00400p	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	83	6.9	6.726	8.	5.5	0.251	0.501	6.44	6.7	7.3	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	83	0.126	0.188	3.162	0.01	0.133	0.364	0.032	0.05	0.2	0.365
00403p	PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	40	6.6	6.65	7.6	6.2	0.098	0.313	6.3	6.425	6.8	7.
00403p	CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	40	6.6	6.563	7.6	6.2	0.106	0.325	6.3	6.425	6.8	7.
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	40	0.251	0.274	0.631	0.025	0.024	0.154	0.1	0.158	0.378	0.501

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-12/17/98	40	13.5	14.775	33.	5.	50.743	7.123	7.	10.	18.	25.
00500p	RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	40	85.	91.925	197.	41.	940.481	30.667	63.2	72.25	104.5	146.6
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	40	26.	27.825	59.	12.	102.097	10.104	16.	22.25	30.	44.
00510p	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	40	56.5	64.1	163.	11.	776.451	27.865	40.3	49.25	69.75	104.4
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	58	4.5	9.862	62.	0.5	174.402	13.206	1.4	1.5	11.5	29.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	58	2.	2.655	9.	0.	3.791	1.947	0.5	1.5	4.	5.1
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	58	3.	7.56	56.	0.	134.992	11.619	0.45	1.5	8.25	24.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	70	0.06	0.087	0.4	0.01	0.006	0.075	0.02	0.05	0.1	0.2
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	70 ##	0.005	0.009	0.04	0.005	0.	0.007	0.005	0.005	0.01	0.02
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	57	0.22	0.293	0.89	0.005	0.044	0.209	0.106	0.165	0.35	0.696
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	70	0.4	0.454	1.	0.1	0.024	0.156	0.3	0.3	0.6	0.69
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	36	0.1	0.081	0.2	0.05	0.001	0.032	0.05	0.05	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	46	6.55	6.859	14.2	2.9	4.619	2.149	4.27	5.2	8.	9.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-12/17/98	36	24.5	28.75	98.	11.	264.65	16.268	15.1	18.25	32.	46.2
00940p	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-12/17/98	69	5.	7.486	129.	2.	228.698	15.123	3.	4.	7.	10.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/13/90-12/17/98	37	12.	19.892	122.	6.	518.544	22.772	8.	9.5	22.	34.8
01092	ZINC, TOTAL (UG/L AS ZN)	03/19/70-07/14/94	23 ##	5.	14.87	130.	5.	700.391	26.465	5.	5.	12.	32.
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	74 ##	50.	132.669	900.	0.	33980.796	184.339	50.	50.	100.	300.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	74 ##	1.699	1.883	2.954	0.	0.196	0.443	1.699	1.699	2.	2.477
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	76.454								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/27/79	33 ##	0.05	0.059	0.1	0.05	0.	0.02	0.05	0.05	0.05	0.1
70507p	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	61	0.03	0.036	0.17	0.005	0.001	0.024	0.012	0.02	0.05	0.058
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-06/10/91	10 ##	0.25	0.24	0.25	0.15	0.001	0.032	0.16	0.25	0.25	0.25

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/02/68-12/17/98	49	18.9	18.192	25.6	10.	18.467	4.297	12.	14.55	22.1	23.3
00070	TURBIDITY, (JACKSON CANDLE UNITS)	04/21/71-03/17/92	6	3.9	5.583	14.	3.	17.79	4.218	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/13/90-12/17/98	14	88.	90.143	139.	58.	465.516	21.576	61.5	74.5	104.5	124.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	10/09/90-12/17/98	18	79.5	83.889	122.	51.	385.516	19.635	57.3	70.5	97.75	117.5
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	12/12/91-12/17/98	14	7.9	8.057	9.7	6.5	0.961	0.98	6.7	7.075	9.	9.4
00300	OXYGEN, DISSOLVED MG/L	07/02/68-10/28/91	33	9.	9.124	13.6	7.1	1.766	1.329	7.52	8.	9.95	10.64
00310p	BOD, 5 DAY, 20 DEG C MG/L	06/03/69-12/17/98	36	1.3	1.717	4.5	0.5	0.852	0.923	1.	1.	2.375	3.
00340	COD, .25N K2CR2O7 MG/L	05/22/79-12/17/98	17	17.	16.529	27.	8.	27.265	5.222	9.6	11.5	20.5	23.
00400p	PH (STANDARD UNITS)	07/02/68-12/17/98	49	7.2	7.171	8.7	6.5	0.138	0.371	6.7	7.	7.4	7.5
00400p	CONVERTED PH (STANDARD UNITS)	07/02/68-12/17/98	49	7.2	7.044	8.7	6.5	0.154	0.393	6.7	7.	7.4	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/02/68-12/17/98	49	0.063	0.09	0.316	0.002	0.005	0.074	0.032	0.04	0.1	0.2
00403p	PH, LAB, STANDARD UNITS SU	06/03/69-12/17/98	22	6.8	6.791	7.3	6.2	0.068	0.262	6.33	6.675	7.	7.07
00403p	CONVERTED PH, LAB, STANDARD UNITS	06/03/69-12/17/98	22	6.8	6.708	7.3	6.2	0.076	0.275	6.33	6.675	7.	7.07
00403p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/69-12/17/98	22	0.158	0.196	0.631	0.05	0.021	0.144	0.086	0.1	0.212	0.47
00410p	ALKALINITY, TOTAL (MG/L AS CACO3)	06/03/69-12/17/98	22	18.5	18.227	27.	8.	33.613	5.798	9.	13.75	24.	25.7
00500p	RESIDUE, TOTAL (MG/L)	06/03/69-12/17/98	24	71.5	87.167	311.	51.	2583.971	50.833	57.5	64.5	92.25	111.5
00505p	RESIDUE, TOTAL VOLATILE (MG/L)	06/03/69-12/17/98	24	25.	31.208	90.	17.	293.389	17.129	19.5	22.25	30.75	63.
00510p	RESIDUE, TOTAL FIXED (MG/L)	06/03/69-12/17/98	24	46.5	55.542	221.	13.	1555.737	39.443	26.	40.	63.75	86.5
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/03/69-12/17/98	36	4.	9.181	94.	0.5	394.902	19.872	0.5	3.	6.75	12.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/03/69-12/17/98	36	2.	3.472	32.	0.	28.099	5.301	0.5	1.5	4.	6.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/03/69-12/17/98	36	2.	6.	84.	0.	250.371	15.823	0.5	1.125	3.75	6.6
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	02/03/70-12/17/98	43 ##	0.05	0.064	0.31	0.02	0.003	0.055	0.02	0.04	0.07	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	42 ##	0.005	0.01	0.04	0.005	0.	0.008	0.005	0.005	0.01	0.02
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	02/03/70-12/17/98	34	0.275	0.328	0.99	0.02	0.063	0.252	0.085	0.148	0.39	0.825
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	02/03/70-12/17/98	42	0.45	0.446	0.9	0.05	0.036	0.19	0.2	0.275	0.6	0.7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-12/17/98	19	0.1	0.087	0.1	0.05	0.001	0.023	0.05	0.05	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	03/03/75-09/03/96	30	7.	7.657	18.	4.4	8.167	2.858	5.	5.9	8.925	10.
00900	HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-12/17/98	17	26.	24.176	34.	12.	36.154	6.013	15.2	19.	28.	32.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

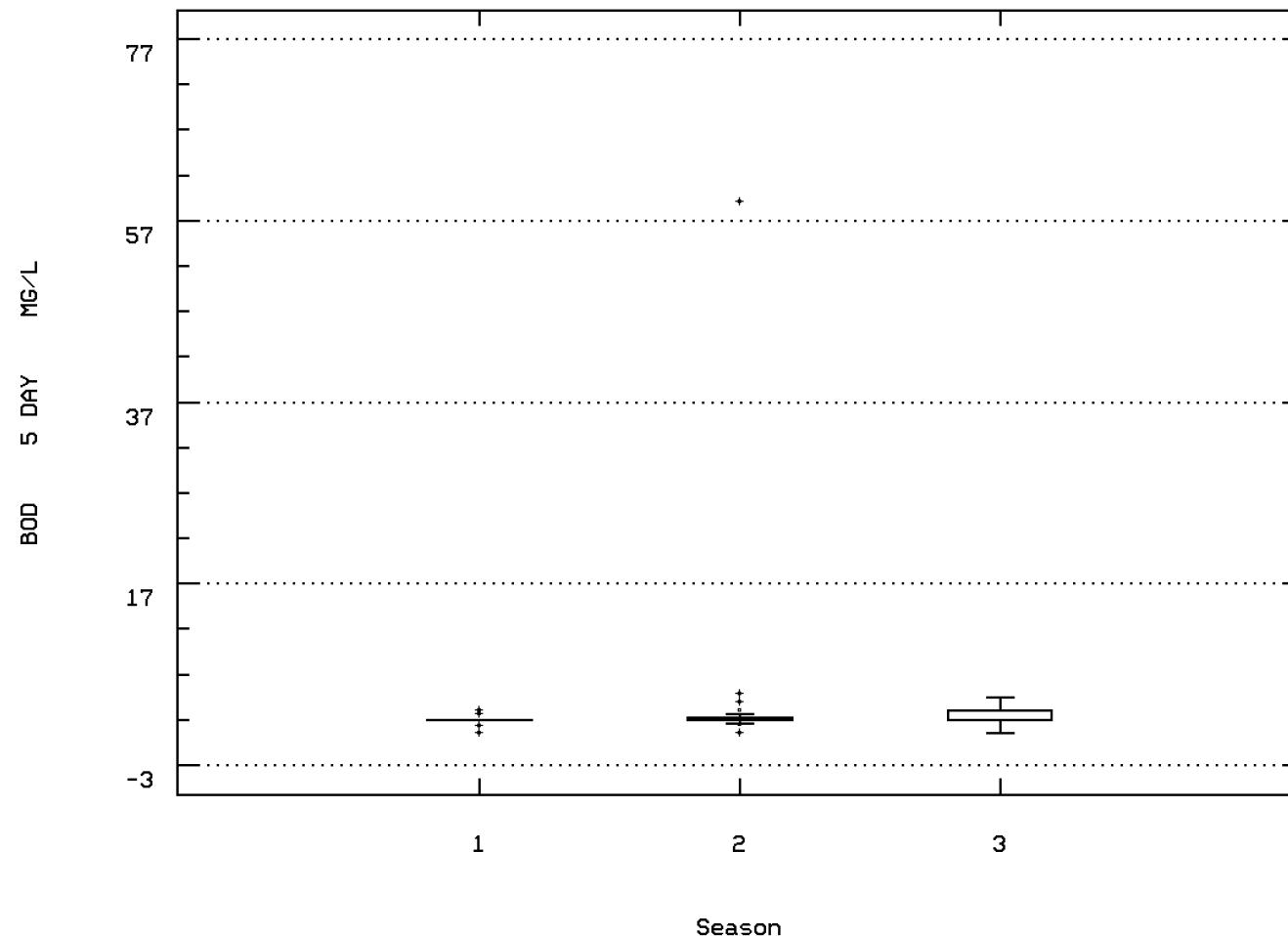
Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0048

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940p	CHLORIDE,TOTAL IN WATER MG/L	08/31/72-12/17/98	39	4.	5.59	54.	2.	66.34	8.145	2.5	3.	5.	8.
00945	SULFATE, TOTAL (MG/L AS SO4)	09/13/90-12/17/98	18	8.	8.833	15.	6.	5.559	2.358	6.	7.	10.25	12.3
01092	ZINC, TOTAL (UG/L AS ZN)	03/19/70-07/14/94	16 ##	7.5	10.625	30.	5.	72.917	8.539	5.	5.	10.	30.
31616p	FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	40 ##	50.	257.75	3500.	50.	443069.167	665.634	50.	50.	100.	490.
31616p	LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	11/22/70-12/17/98	40 ##	1.699	1.973	3.544	1.699	0.209	0.457	1.699	1.699	2.	2.689
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	93.956								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	02/03/70-06/27/79	24 ##	0.05	0.058	0.1	0.05	0.	0.019	0.05	0.05	0.05	0.1
70507p	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	02/03/70-12/17/98	39	0.05	0.041	0.11	0.005	0.	0.021	0.01	0.02	0.05	0.06
71900	MERCURY, TOTAL (UG/L AS HG)	09/02/70-06/10/91	10 ##	0.25	0.3	0.7	0.15	0.023	0.153	0.16	0.25	0.288	0.67

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station: FRSP0048 Parameter Code: 00310

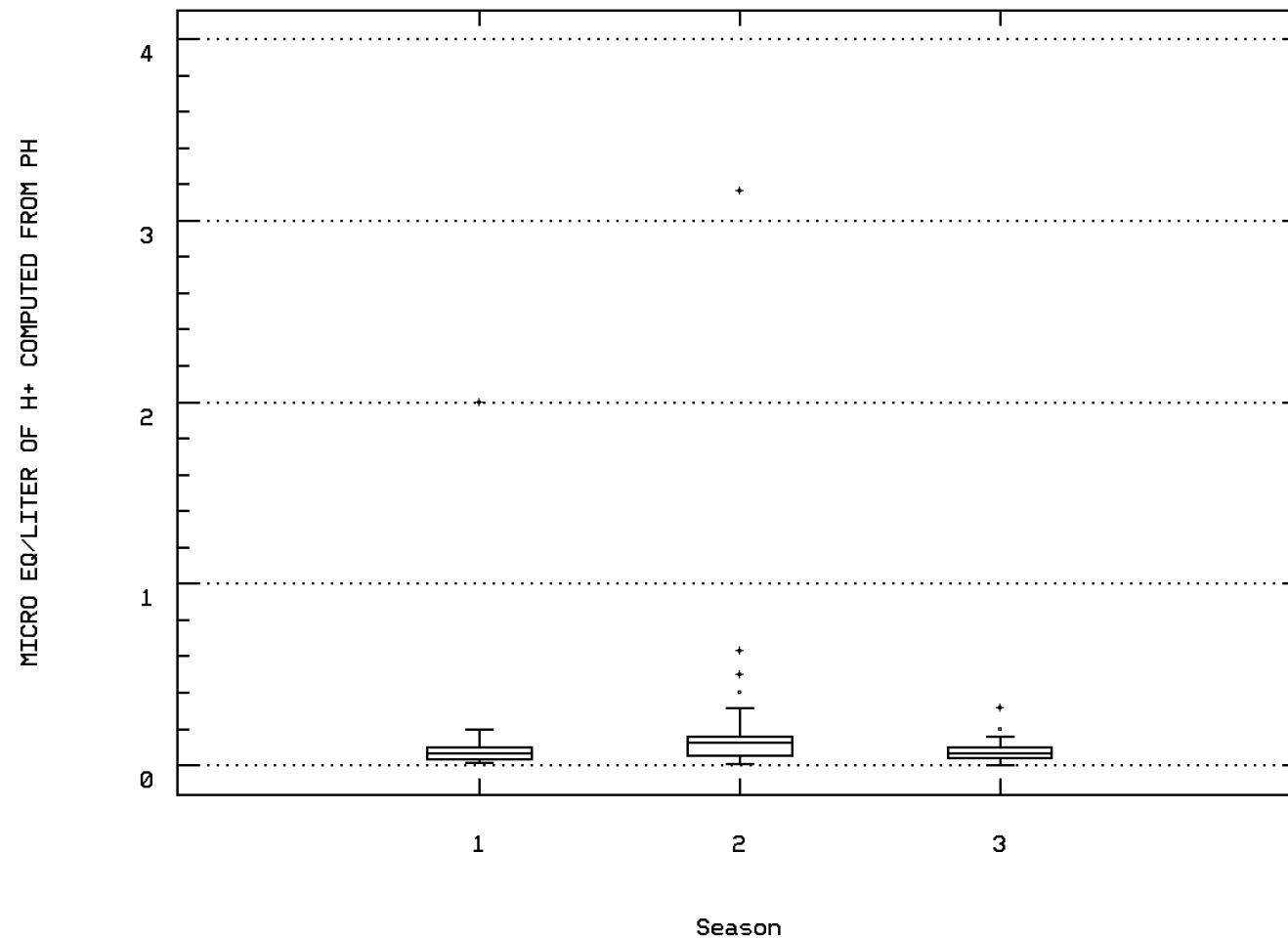
BOD, 5 DAY, 20 DEG C



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00400

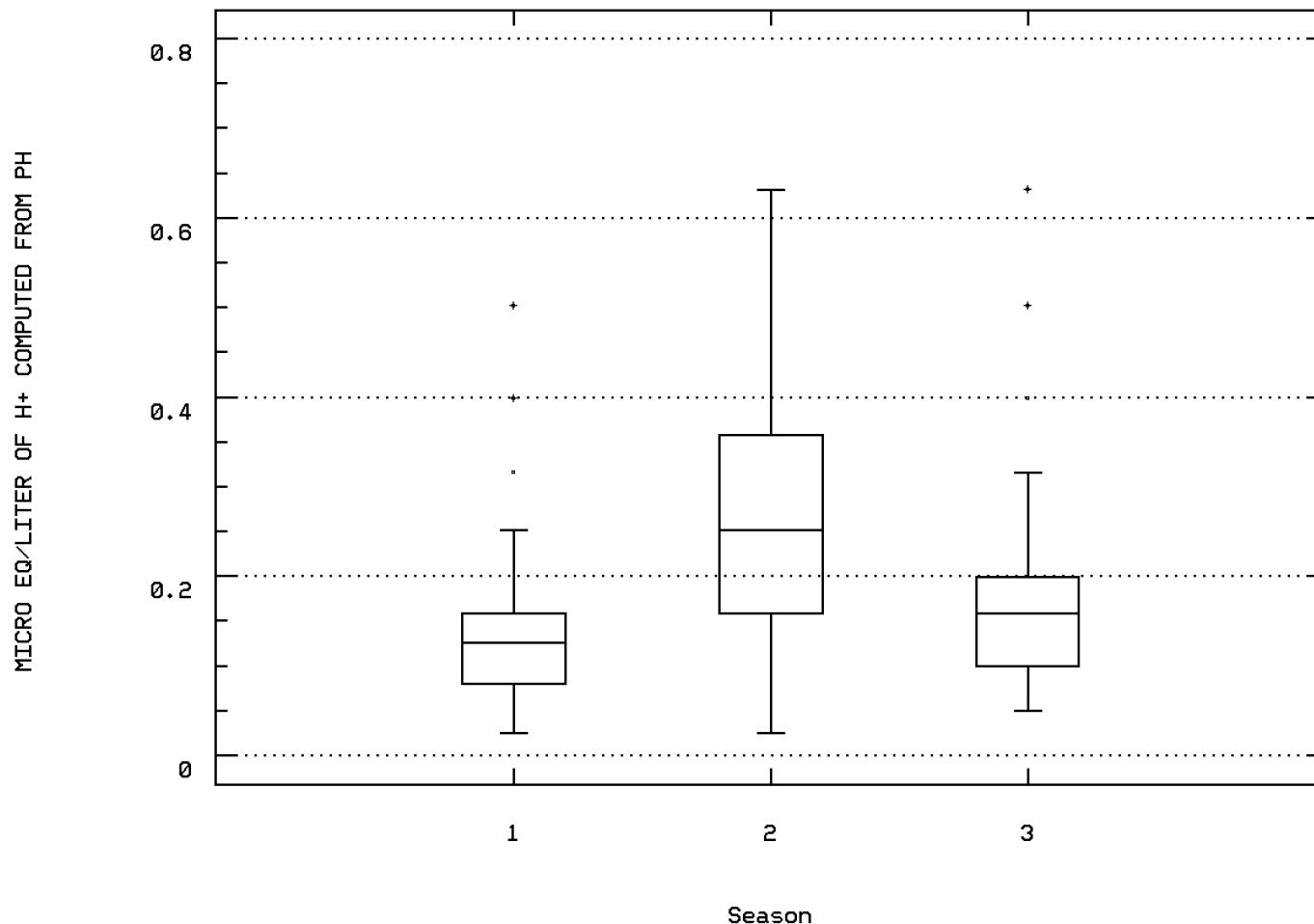
MICRO EQ/LITER OF H⁺ COMPUTED FROM PH



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00403

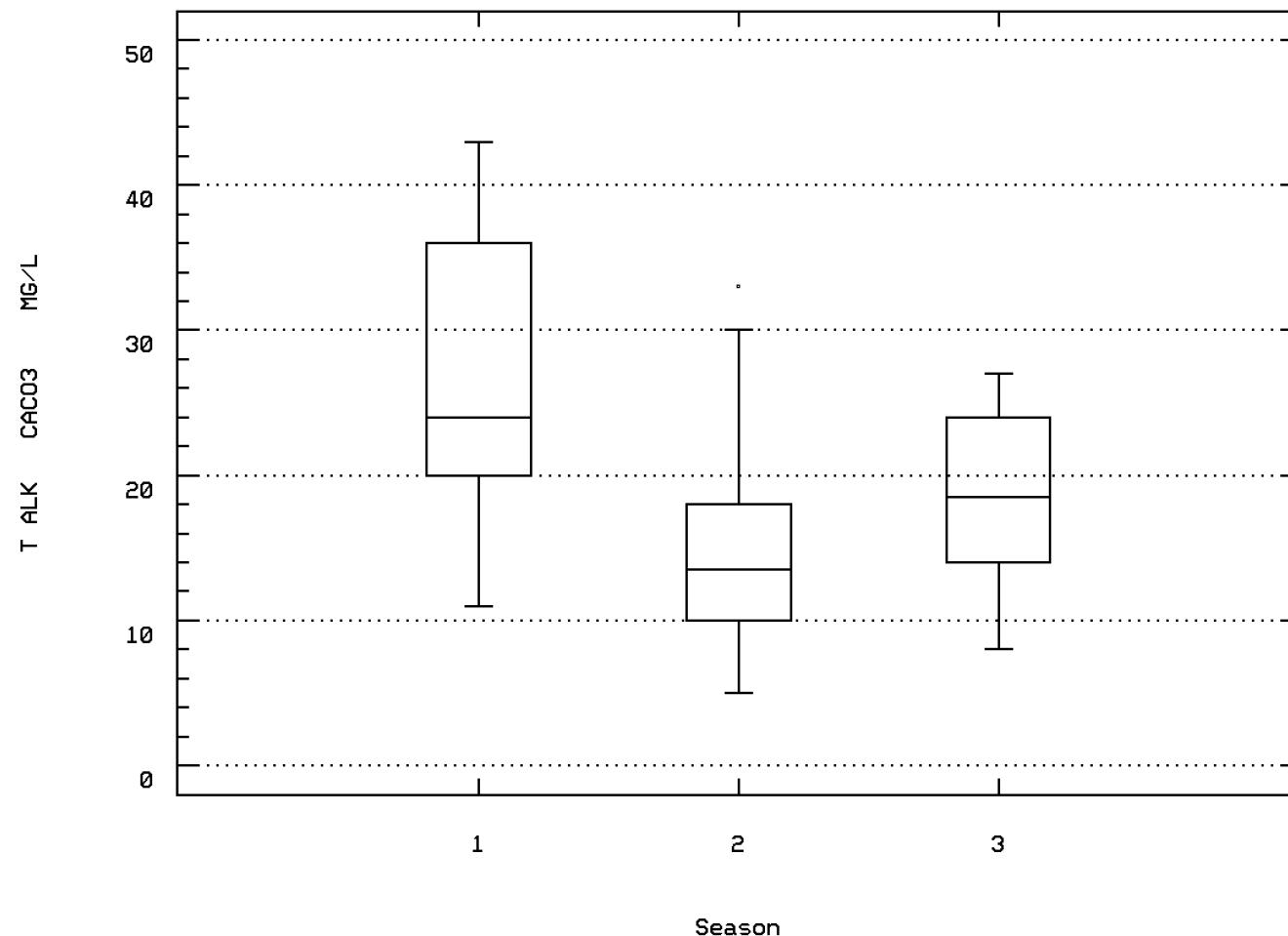
MICRO EQ/LITER OF H⁺ COMPUTED FROM PH



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00410

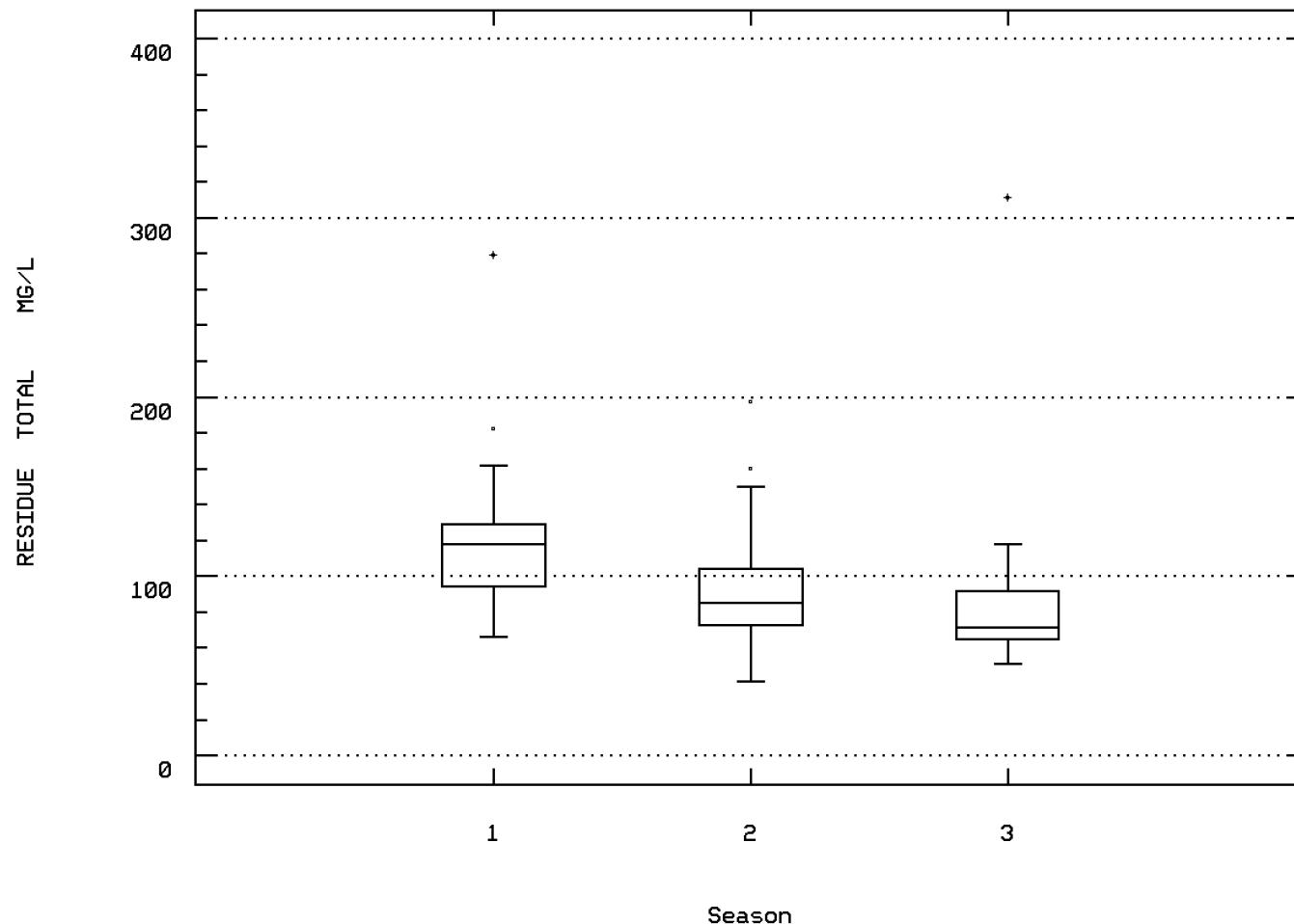
ALKALINITY, TOTAL (MG/L AS CACO₃)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00500

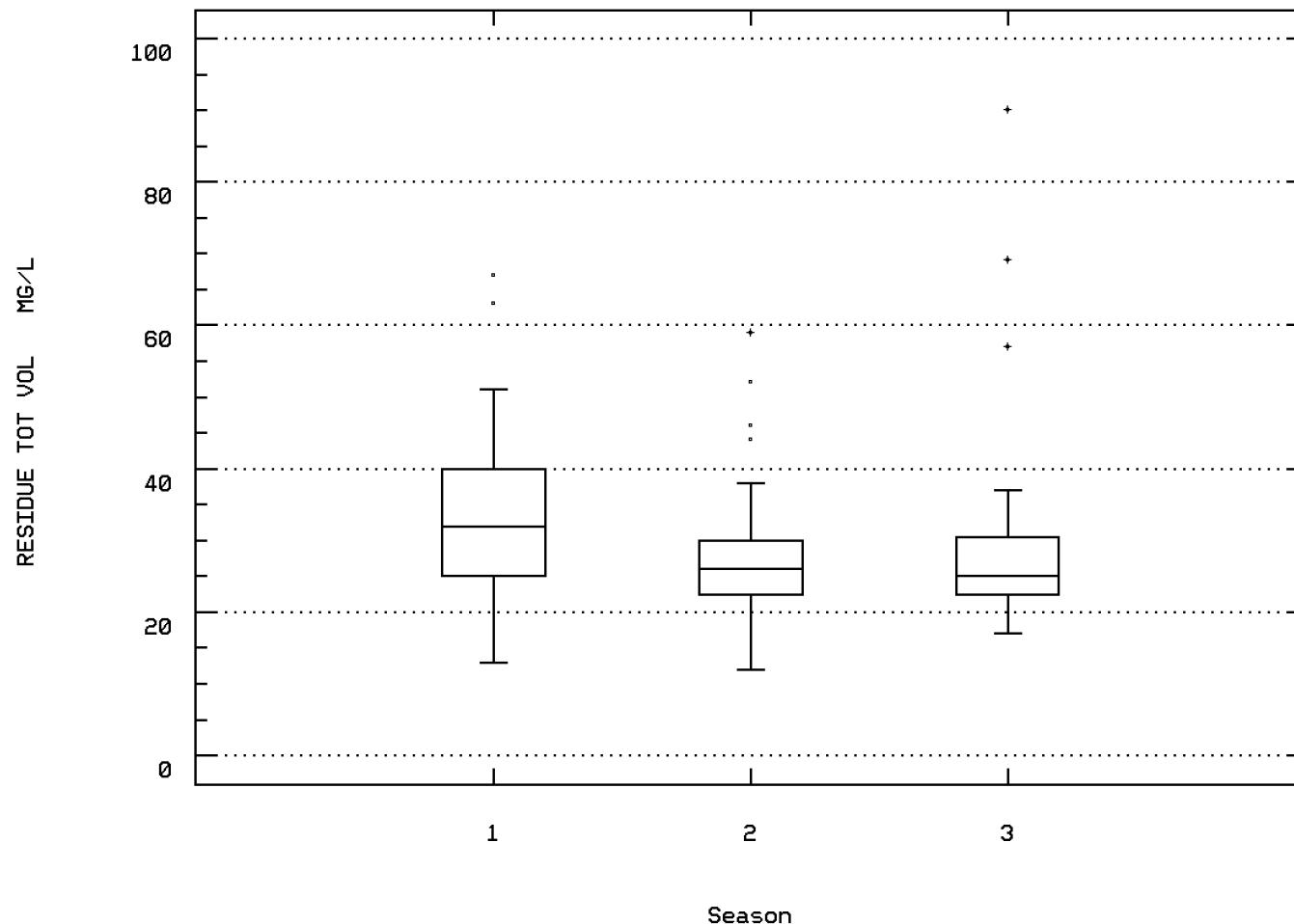
RESIDUE, TOTAL (MG/L)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00505

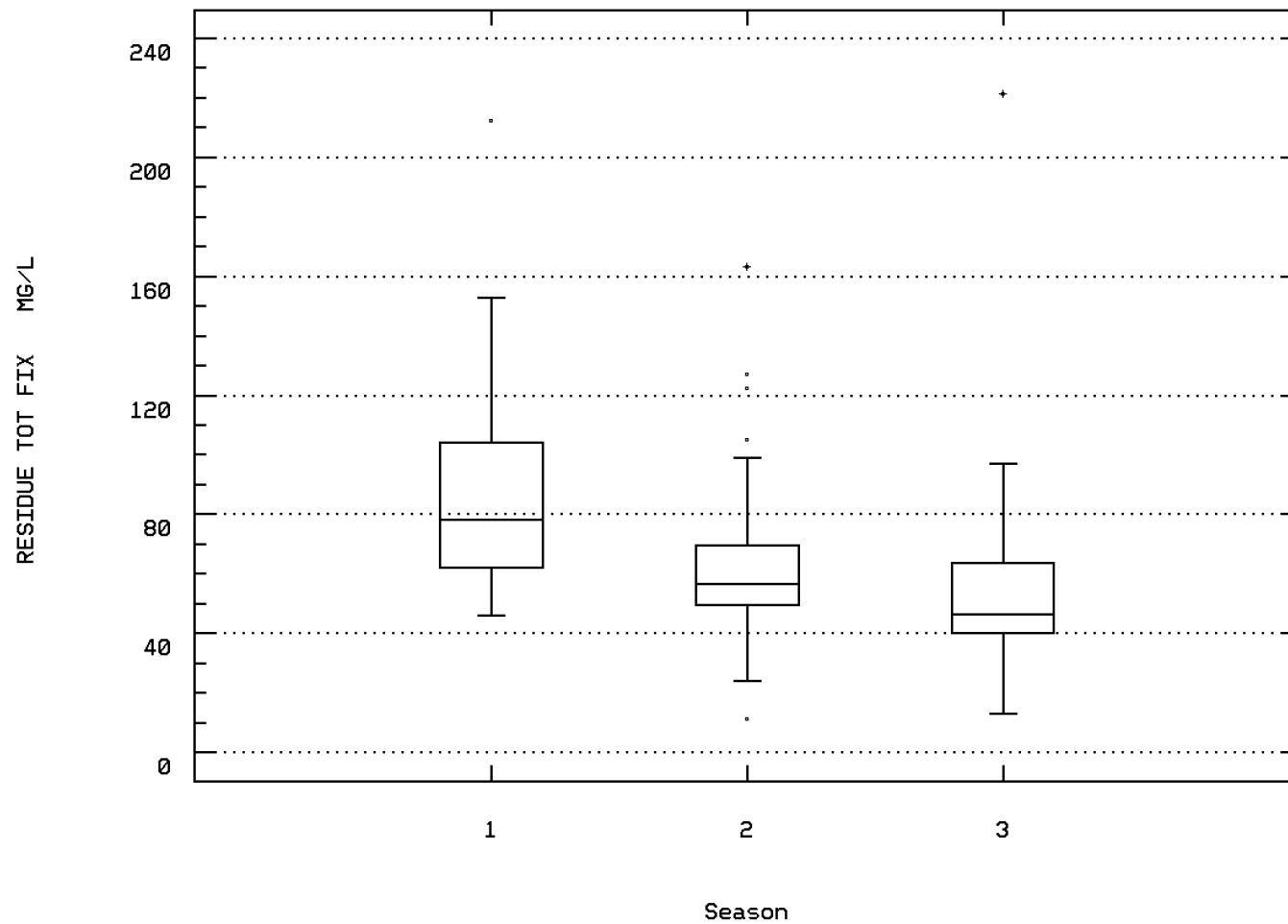
RESIDUE, TOTAL VOLATILE (MG/L)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00510

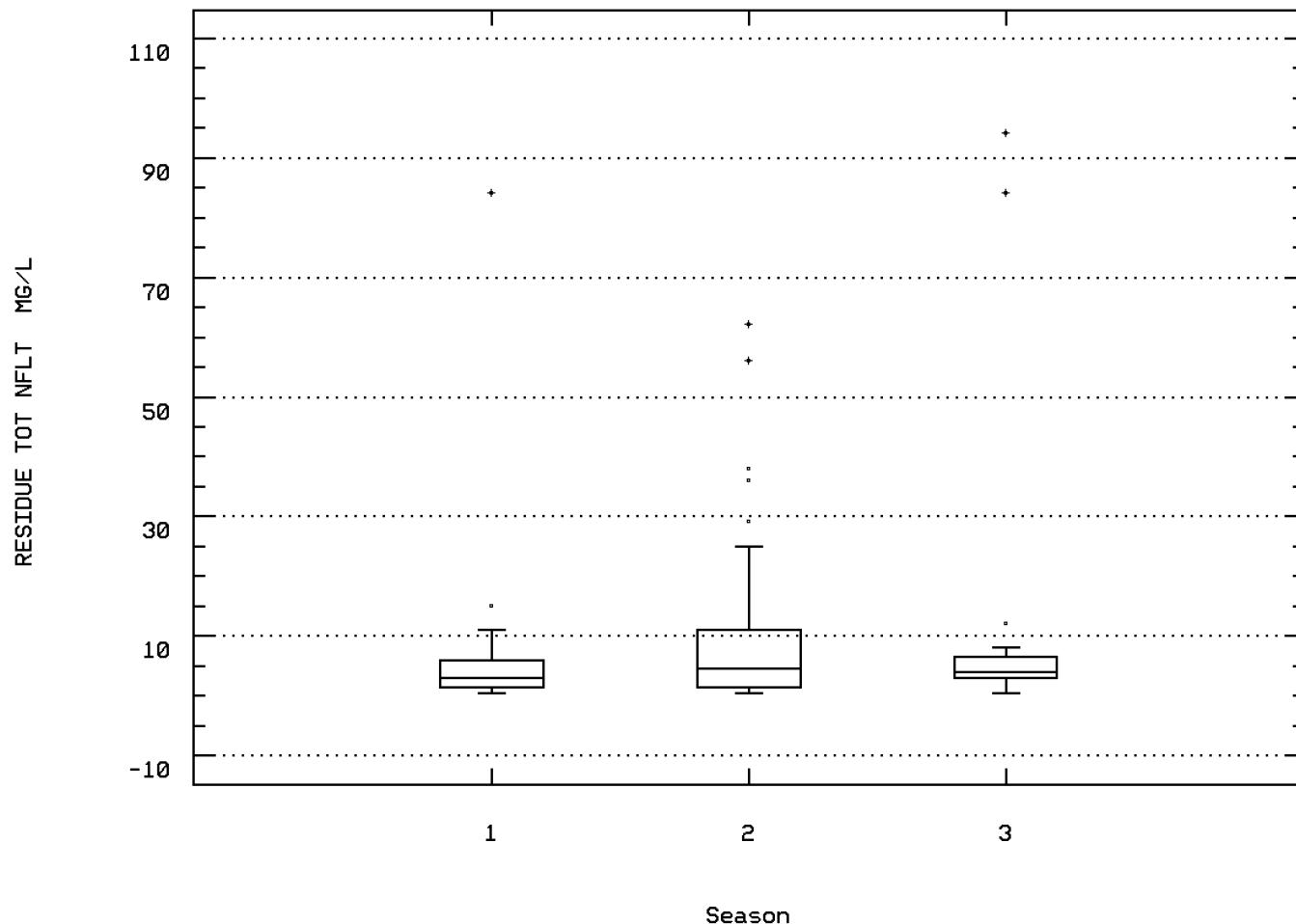
RESIDUE, TOTAL FIXED (MG/L)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00530

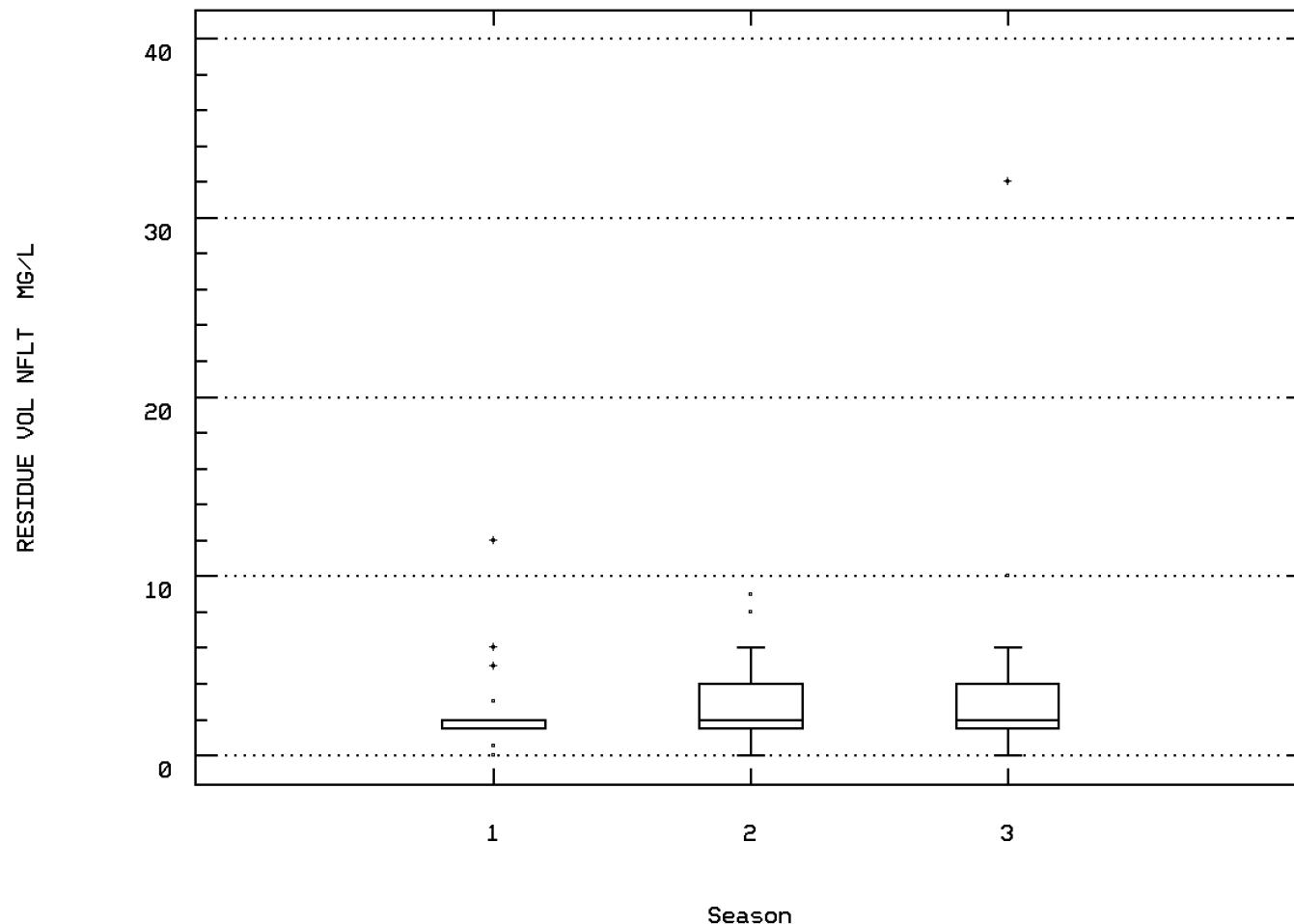
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00535

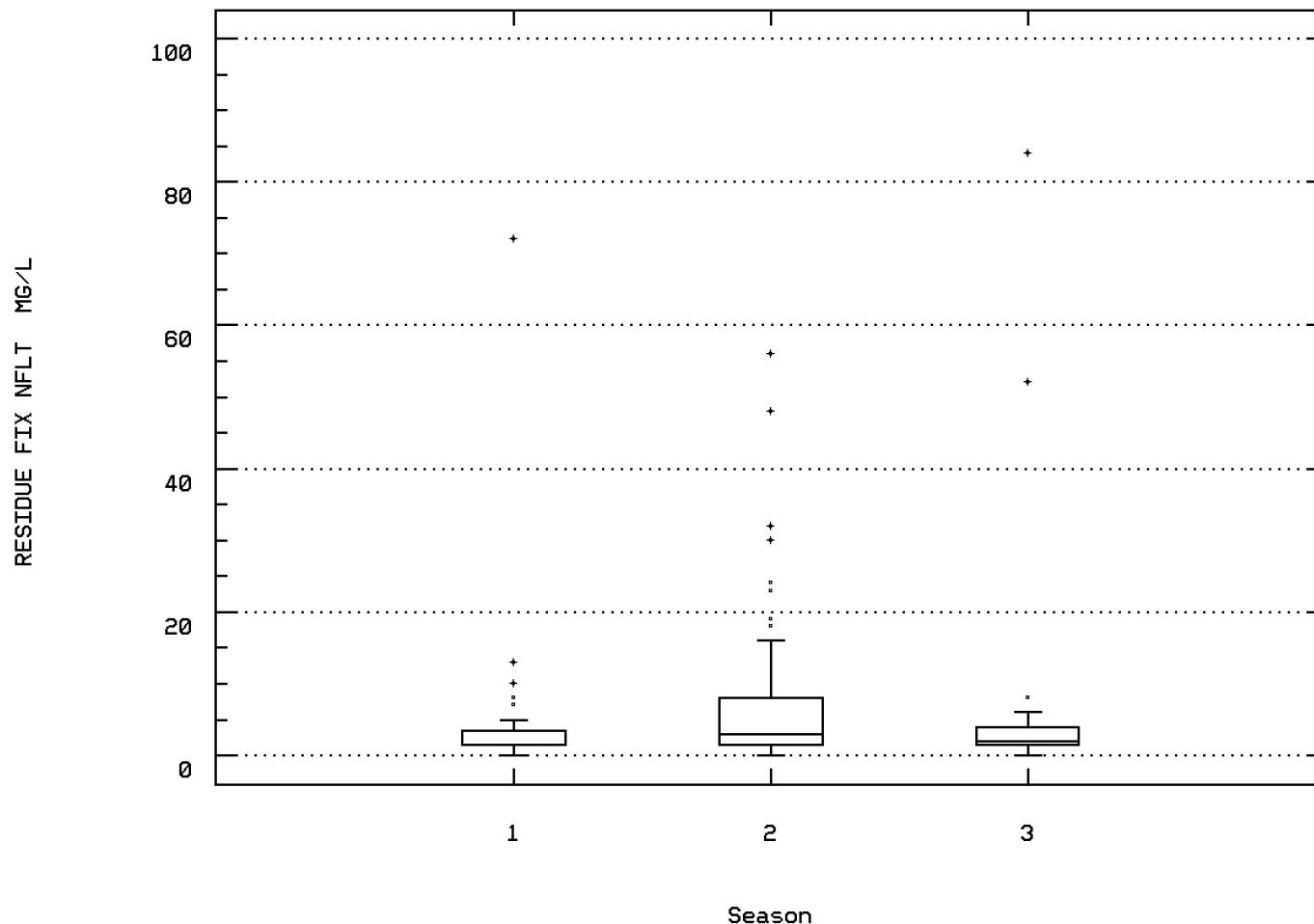
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00540

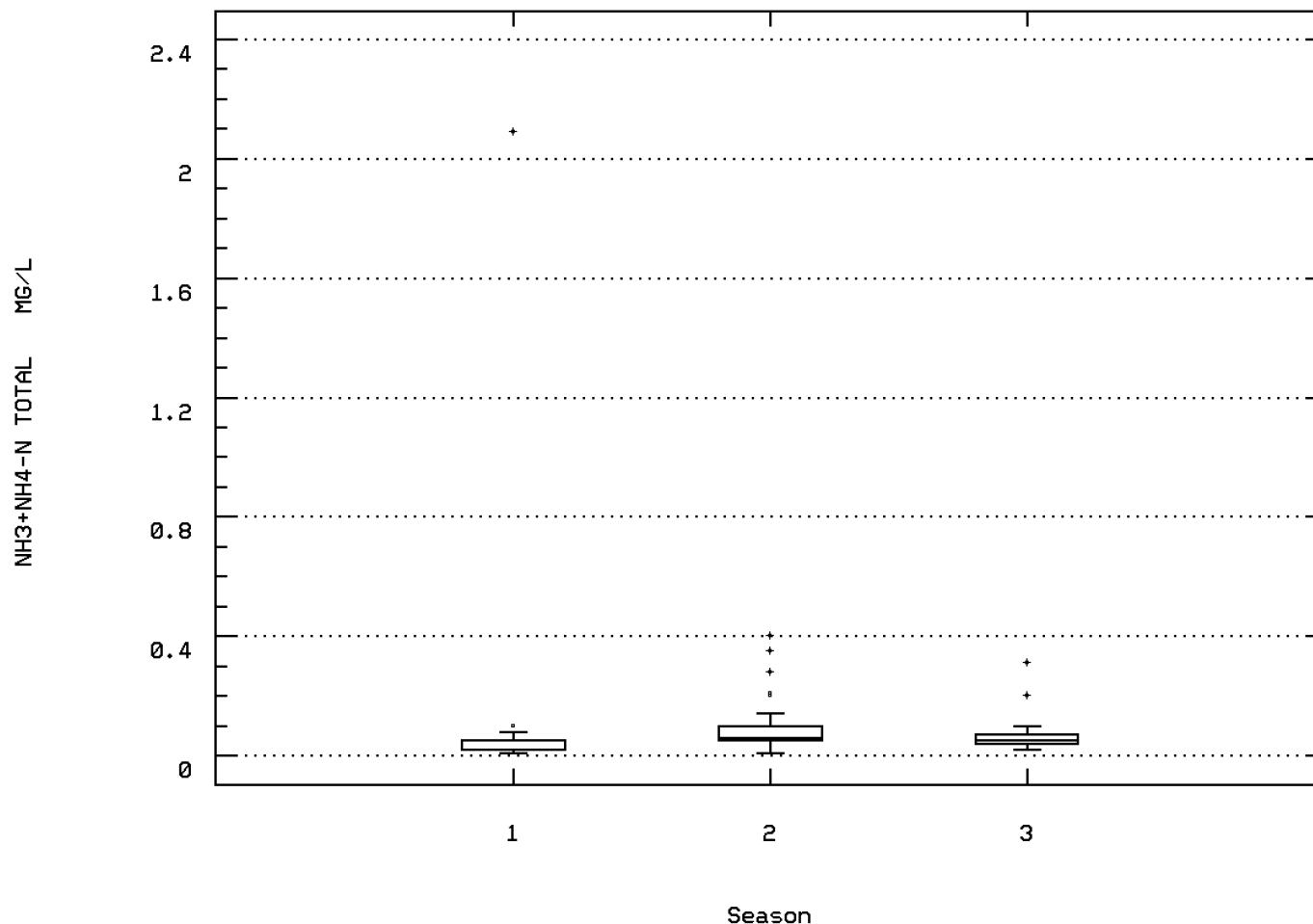
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00610

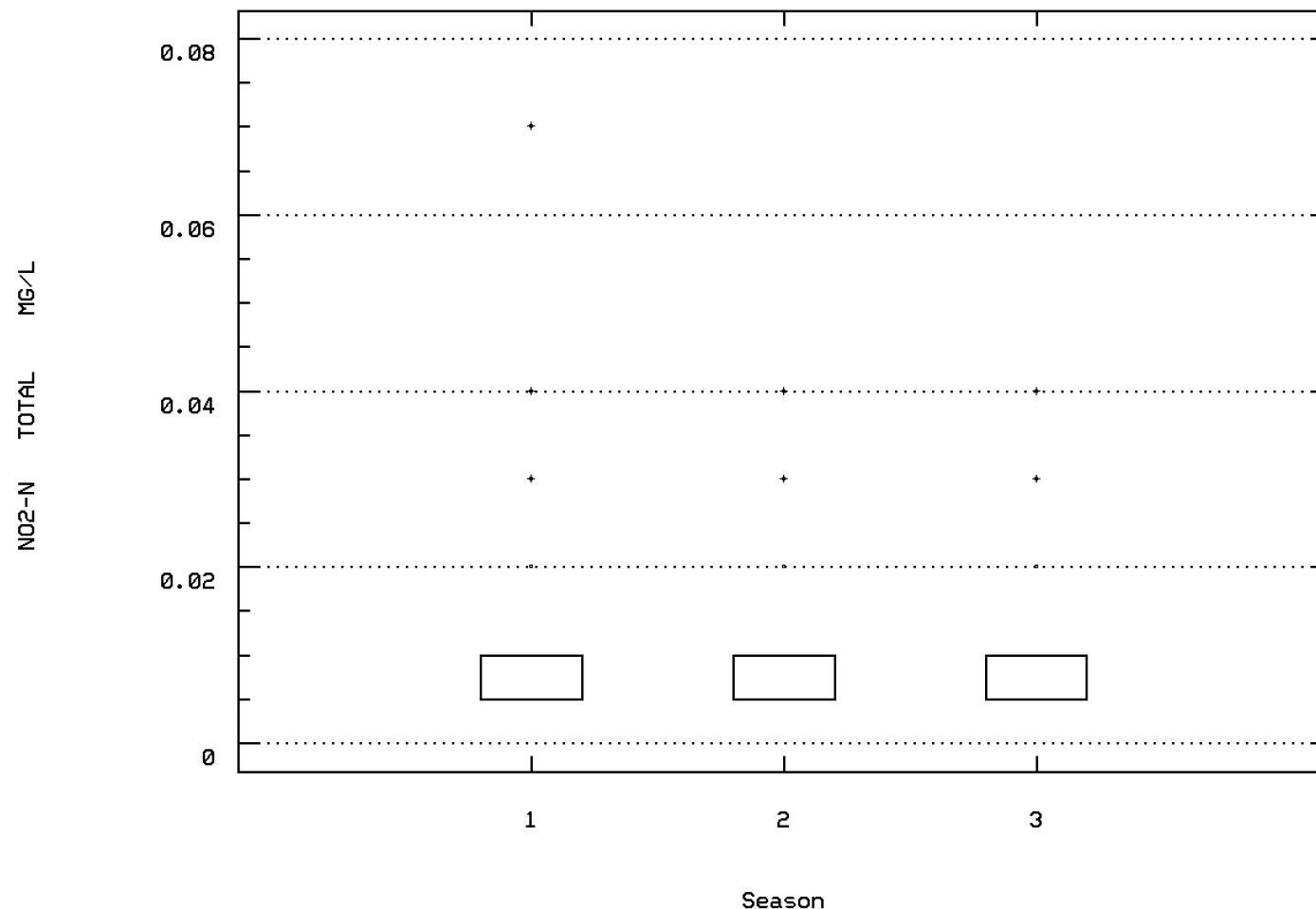
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00615

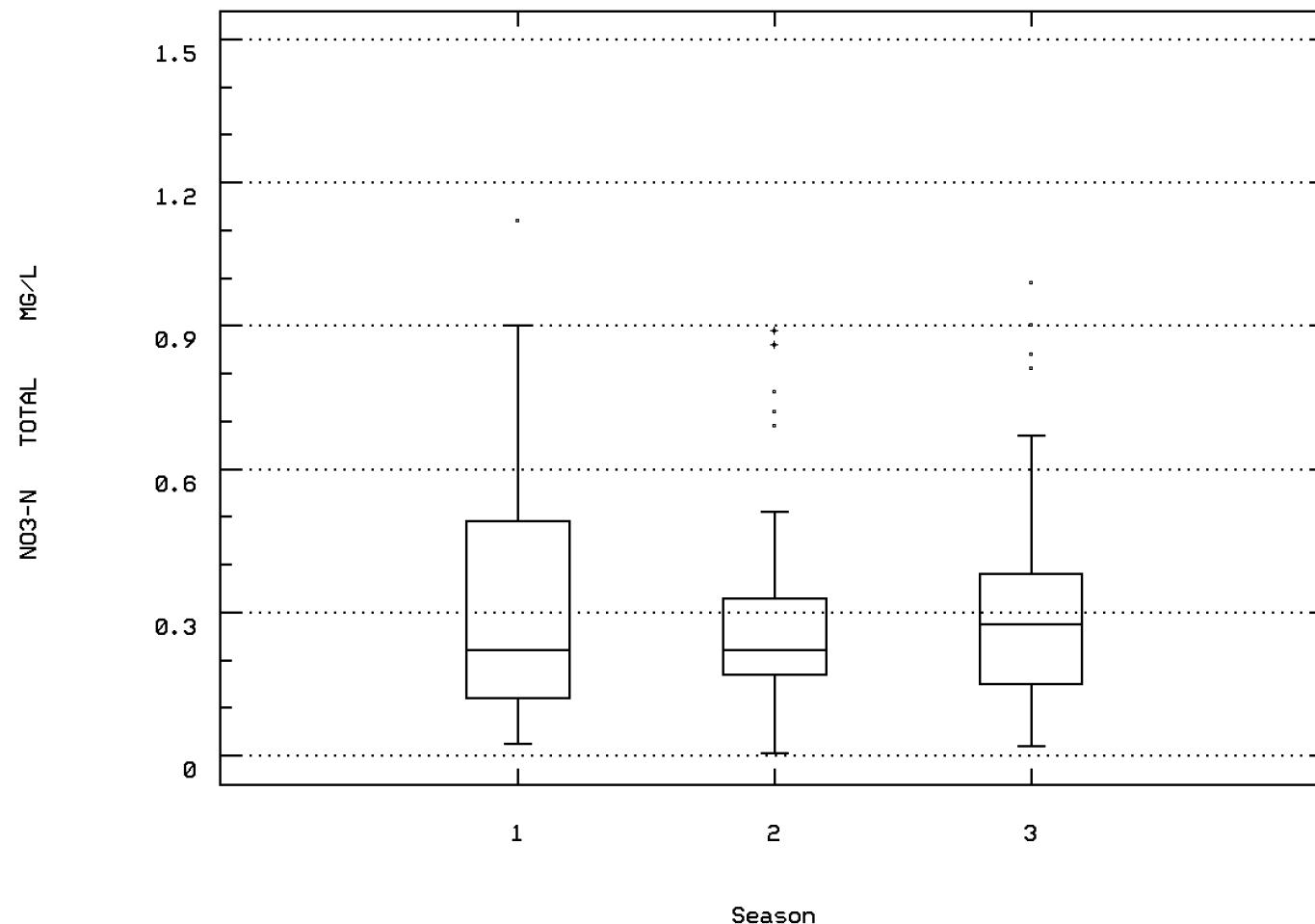
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00620

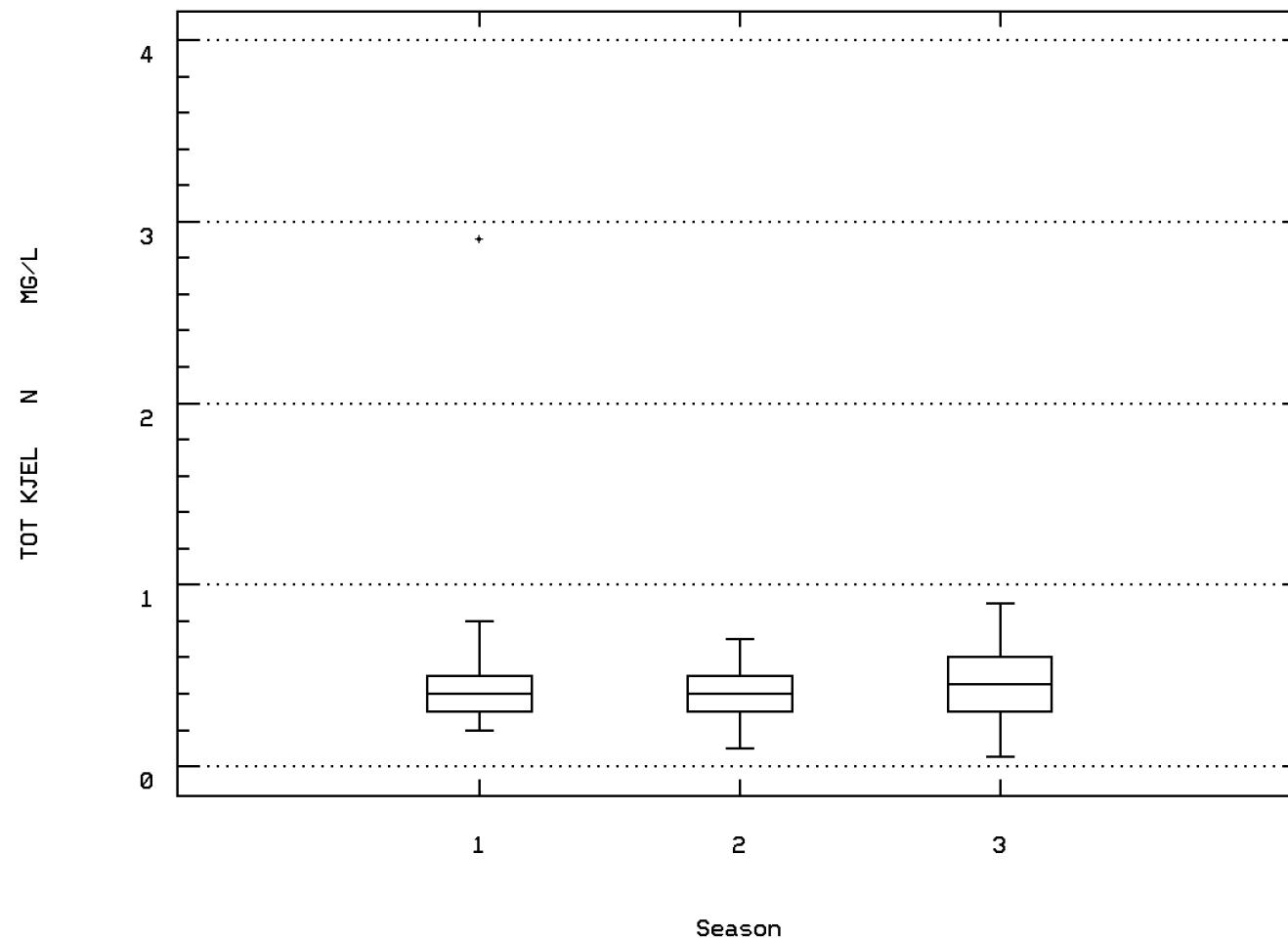
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00625

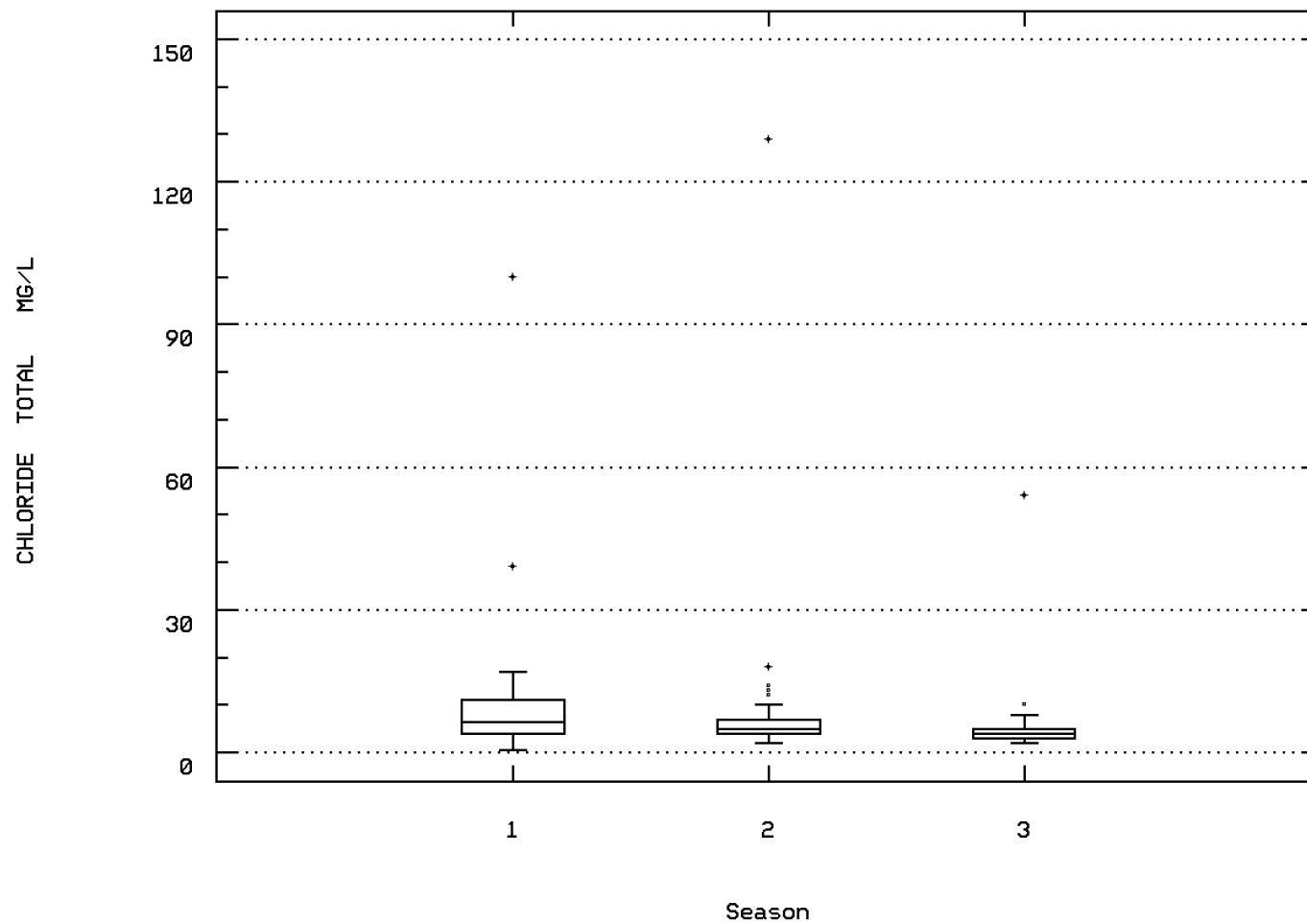
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 00940

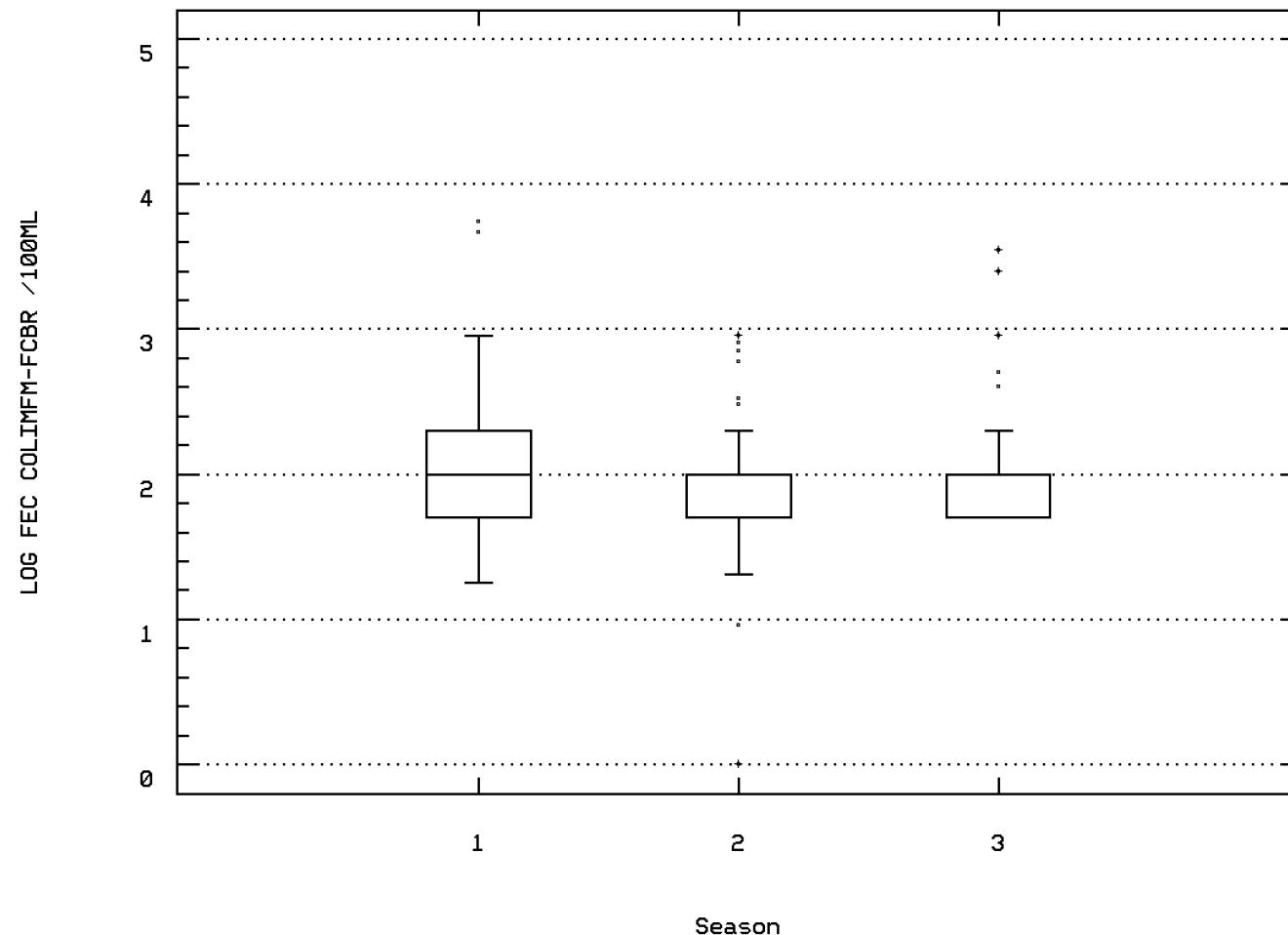
CHLORIDE, TOTAL IN WATER



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 31616

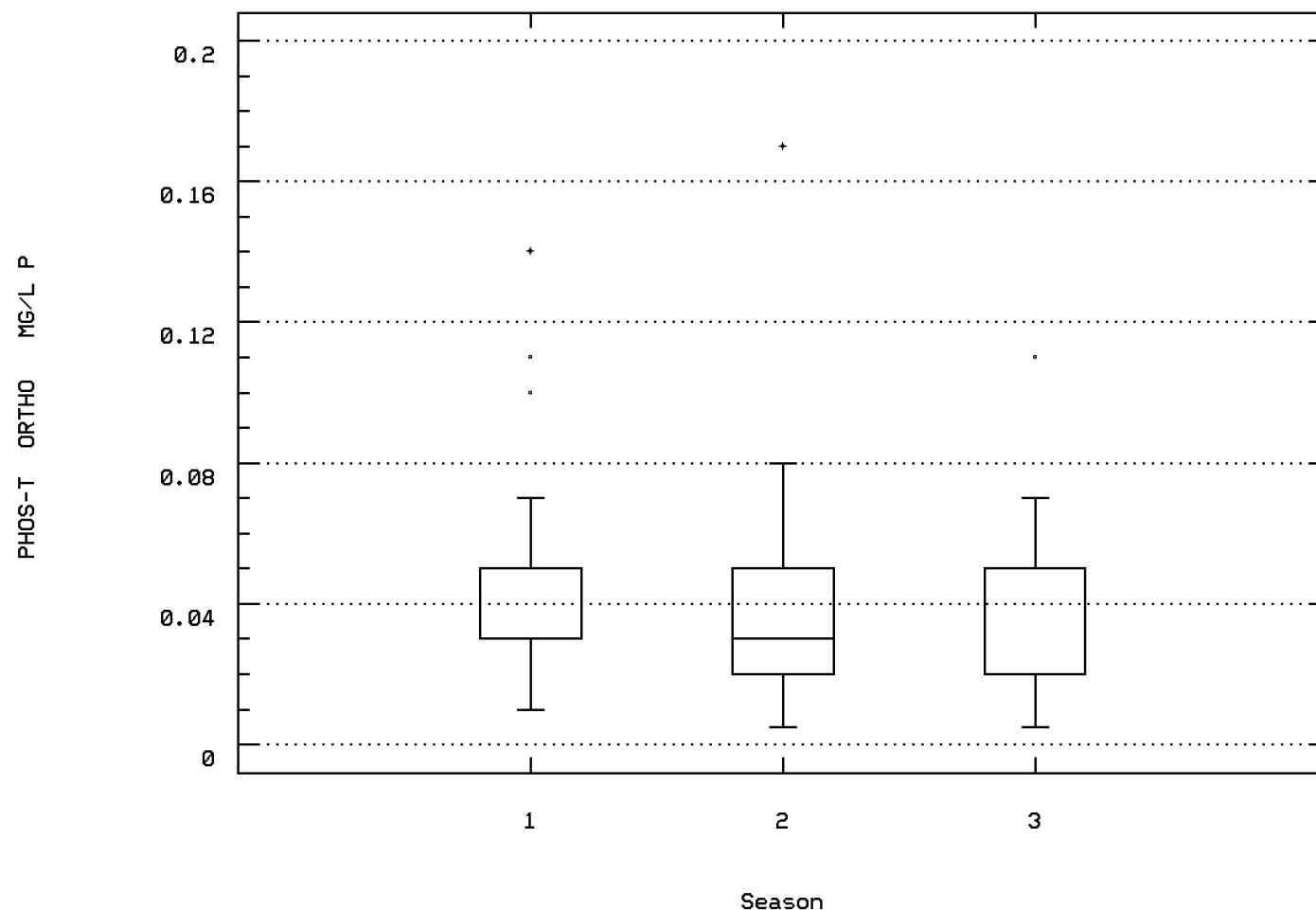
LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



RT. 1 BRIDGE

Station: FRSP0048 Parameter Code: 70507

PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/



RT. 1 BRIDGE

Station Inventory for Station: FRSP0049

NPS Station ID: FRSP0049
 Location: RT. 1 BRIDGE
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080105
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 8-YORK
 RF1 Index: 02080105
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: PO RIVER SECTION: 03

LAT/LON: 38.149726/ -77.524449

Agency: 21VASWCB
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): 8-POR004.13
 Within Park Boundary: No

Date Created: 08/18/90

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

AMBIENT MONITORING BASIN: 8 YORK REGION: 3 NORTHERN VIRGINIA
 TOPO MAP #: 0024 TOPO MAP NAME: SPOTSYLVANIA, VA

Parameter Inventory for Station: FRSP0049

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	86	14.4	14.115	28.	0.	63.188	7.949	2.41	7.75	21.725	24.4
00070 TURBIDITY, (JACKSON CANDLE UNITS)	09/13/90-06/10/91	10	7.65	8.36	16.	1.9	20.714	4.551	2.18	5.225	10.975	16.
00080 COLOR (PLATINUM-COBALT UNITS)	02/07/91-06/10/91	5	83.	85.6	98.	73.	112.8	10.621	**	**	**	**
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	09/13/90-10/09/90	2	63.5	63.5	64.	63.	0.5	0.707	**	**	**	**
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/06/90-06/10/91	8	52.	51.5	62.	43.	37.429	6.118	**	**	**	**
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	10/09/90-12/05/90	2	10.25	10.25	12.2	8.3	7.605	2.758	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	82	8.6	9.227	13.4	6.5	3.734	1.932	7.	7.575	10.6	12.34
00310 BOD, 5 DAY, 20 DEG C MG/L	09/13/90-06/10/91	9	1.	1.389	2.	0.5	0.361	0.601	0.5	1.	2.	2.
00340 COD, 25N K2CR2O7 MG/L	09/13/90-06/10/91	10	15.	15.7	27.	8.	33.567	5.794	8.2	11.5	19.75	26.5
00400 PH (STANDARD UNITS)	05/12/72-06/10/91	86	7.	6.937	7.8	6.1	0.107	0.328	6.5	6.7	7.1	7.4
00400 CONVERTED PH (STANDARD UNITS)	05/12/72-06/10/91	86	7.	6.819	7.8	6.1	0.122	0.349	6.5	6.7	7.1	7.4
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/12/72-06/10/91	86	0.1	0.152	0.794	0.016	0.016	0.127	0.04	0.079	0.2	0.316
00403 PH, LAB, STANDARD UNITS SU	09/13/90-06/10/91	10	6.6	6.59	6.8	6.3	0.028	0.166	6.31	6.475	6.725	6.8
00403 CONVERTED PH, LAB, STANDARD UNITS	09/13/90-06/10/91	10	6.6	6.561	6.8	6.3	0.029	0.169	6.31	6.475	6.725	6.8
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/13/90-06/10/91	10	0.251	0.275	0.501	0.158	0.012	0.11	0.158	0.189	0.337	0.491
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	09/13/90-06/10/91	10	13.	13.3	24.	2.	50.678	7.119	2.2	7.75	19.	23.8
00500 RESIDUE, TOTAL (MG/L)	08/19/76-06/10/91	11	58.	62.545	96.	54.	147.673	12.152	54.	54.	67.	90.4
00505 RESIDUE, TOTAL VOLATILE (MG/L)	08/19/76-06/10/91	11	20.	21.455	39.	6.	70.073	8.371	8.	17.	25.	37.2
00510 RESIDUE, TOTAL FIXED (MG/L)	08/19/76-06/10/91	11	40.	41.091	57.	28.	80.491	8.972	28.2	36.	48.	55.8
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/13/90-06/10/91	10	3.5	3.75	5.	2.	1.403	1.184	2.05	2.875	5.	5.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/13/90-06/10/91	10	1.5	1.9	5.	0.5	1.822	1.35	0.55	1.	2.625	4.8
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	09/13/90-06/10/91	10	2.	2.2	4.	0.5	1.011	1.006	0.55	1.75	3.	3.9
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	82##	0.05	0.054	0.13	0.02	0.	0.022	0.023	0.05	0.05	0.1
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	82##	0.005	0.007	0.03	0.005	0.	0.004	0.005	0.005	0.005	0.01
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	56	0.125	0.142	0.9	0.005	0.015	0.122	0.05	0.08	0.178	0.23
00625 NITROGEN, KIELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	82	0.3	0.43	5.	0.05	0.294	0.543	0.2	0.275	0.5	0.67
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/26/76-06/27/79	26	0.07	0.081	0.25	0.025	0.003	0.058	0.025	0.025	0.123	0.156
00665 PHOSPHORUS, TOTAL (MG/L AS P)	09/13/90-08/12/91	11##	0.05	0.073	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/13/90-08/12/91	11	0.03	0.03	0.05	0.02	0.	0.012	0.02	0.02	0.04	0.05
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	09/13/90-06/10/91	10	4.6	4.76	8.9	2.5	2.992	1.73	2.61	3.6	5.5	8.56
00900 HARDNESS, TOTAL (MG/L AS CACO3)	04/16/79-06/10/91	11	22.	21.182	38.	10.	63.364	7.96	10.8	14.	25.	36.4
00935 POTASSIUM, DISSOLVED (MG/L AS K)	04/16/79-04/16/79	1	1.7	1.7	1.7	1.7	0.	0.	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	08/31/72-06/10/91	78	3.	4.712	100.	0.5	123.088	11.094	2.	3.	4.	5.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0049

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945 SULFATE, TOTAL (MG/L AS SO4)	09/13/90-06/10/91	10	4.	4.8	12.	2.	8.622	2.936	2.	2.75	5.5	11.5
00951 FLUORIDE, TOTAL (MG/L AS F)	09/13/90-06/10/91	10 ##	0.05	0.084	0.35	0.025	0.009	0.096	0.028	0.05	0.073	0.326
00955 SILICA, DISSOLVED (MG/L AS SI02)	09/13/90-08/12/91	11	14.8	14.345	16.6	8.8	5.039	2.245	9.44	14.1	16.	16.6
01002 ARSENIC, TOTAL (UG/L AS AS)	05/12/72-06/10/91	8 ##	1.	1.75	5.	1.	2.	1.414	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)	06/10/91-06/10/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/12/72-06/10/91	10 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/12/72-06/10/91	14 ##	5.	5.	5.	5.	0.	0.	5.	5.	5.	5.
01042 COPPER, TOTAL (UG/L AS CU)	10/16/72-06/10/91	13 ##	5.	6.154	10.	5.	4.808	2.193	5.	5.	7.5	10.
01045 IRON, TOTAL (UG/L AS FE)	11/06/78-06/10/91	3	1000.	1123.333	1570.	800.	159633.333	399.541	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/12/72-06/10/91	14 ##	4.	3.393	7.	0.001	4.699	2.168	0.5	1.	5.	6.
01055 MANGANESE, TOTAL (UG/L AS MN)	11/06/78-06/10/91	3	120.	103.333	140.	50.	2233.333	47.258	**	**	**	**
01059 THALLIUM, TOTAL (UG/L AS TL)	06/10/91-06/10/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-04/16/79	10 ##	50.	45.5	50.	5.	202.5	14.23	9.5	50.	50.	50.
01067 NICKEL, TOTAL (UG/L AS NI)	06/10/91-06/10/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/12/72-06/10/91	38 ##	5.	13.026	90.	5.	268.297	16.38	5.	5.	20.	30.
01147 SELENIUM, TOTAL (UG/L AS SE)	06/10/91-06/10/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/12/72-08/12/91	73	100.	222.74	1400.	20.	105488.917	324.791	50.	50.	200.	780.
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/12/72-08/12/91	73	2.	2.052	3.146	1.301	0.213	0.462	1.699	1.699	2.301	2.884
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	112.774							
50060 CHLORINE, TOTAL RESIDUAL (MG/L)	08/12/74-04/24/78	5	0.	0.	0.	0.	0.	0.	**	**	**	**
70505 PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	05/12/72-06/27/79	71 ##	0.05	0.056	0.2	0.05	0.	0.022	0.05	0.05	0.05	0.05
70507 PHOSPHORUS, IN TOTAL, ORTHOPHOSPHATE (MG/L AS P)	05/12/72-06/27/79	71 ##	0.03	0.031	0.1	0.005	0.001	0.023	0.005	0.01	0.05	0.05
71900 MERCURY, TOTAL (UG/L AS HG)	05/12/72-06/10/91	14 ##	0.25	0.254	0.6	0.15	0.012	0.108	0.15	0.225	0.25	0.425

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0049

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	10	0	0.00	2	0	0.00	5	0	0.00	3	0	0.00			
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00	1	0	0.00						
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	82	0	0.00	20	0	0.00	37	0	0.00	25	0	0.00			
00400 PH	Fresh Chronic	9.	86	0	0.00	21	0	0.00	39	0	0.00	26	0	0.00			
	Other-Lo Lim.	6.5	86	11	0.13	21	1	0.05	39	9	0.23	26	1	0.04			
00403 PH, LAB	Fresh Chronic	9.	10	0	0.00	2	0	0.00	5	0	0.00	3	0	0.00			
	Other-Lo Lim.	6.5	10	4	0.40	2	0	0.00	5	3	0.60	3	1	0.33			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	82	0	0.00	22	0	0.00	35	0	0.00	25	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	56	0	0.00	18	0	0.00	22	0	0.00	16	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	26	0	0.00	4	0	0.00	13	0	0.00	9	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	78	0	0.00	18	0	0.00	37	0	0.00	23	0	0.00			
	Drinking Water	250.	78	0	0.00	18	0	0.00	37	0	0.00	23	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	10	0	0.00	2	0	0.00	5	0	0.00	3	0	0.00			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	10	0	0.00	2	0	0.00	5	0	0.00	3	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	8	0	0.00				3	0	0.00	5	0	0.00			
	Drinking Water	50.	8	0	0.00				3	0	0.00	5	0	0.00			
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	1	0	0.00							1	0	0.00			
	Drinking Water	4.	0 &	0	0.00												
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
	Drinking Water	5.	0 &	0	0.00												
01034 CHROMIUM, TOTAL	Drinking Water	100.	14	0	0.00				6	0	0.00	8	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	13	0	0.00				6	0	0.00	7	0	0.00			
	Drinking Water	1300.	13	0	0.00				6	0	0.00	7	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	14	0	0.00				7	0	0.00	7	0	0.00			
	Drinking Water	15.	14	0	0.00				7	0	0.00	7	0	0.00			
01059 THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	2.	0 &	0	0.00												
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	10	0	0.00				5	0	0.00	5	0	0.00			
	Drinking Water	100.	10	0	0.00				5	0	0.00	5	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00							1	0	0.00			
	Drinking Water	100.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0049

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01092 ZINC, TOTAL	Fresh Acute	120.	38	0	0.00	9	0	0.00	17	0	0.00	12	0	0.00			
	Drinking Water	5000.	38	0	0.00	9	0	0.00	17	0	0.00	12	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	73	24	0.33	20	5	0.25	30	8	0.27	23	11	0.48			
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	5	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	14	0	0.00				6	0	0.00	8	0	0.00			
	Drinking Water	2.	14	0	0.00				6	0	0.00	8	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1972 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	5	14.4	14.78	23.3	8.9	29.367	5.419	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	5	9.	9.56	12.	8.4	2.288	1.513	**	**	**	**
00400	PH (STANDARD UNITS)	05/12/72-06/10/91	5	6.5	6.6	7.	6.3	0.07	0.265	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/12/72-06/10/91	5	6.5	6.543	7.	6.3	0.074	0.272	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/12/72-06/10/91	5	0.316	0.287	0.501	0.1	0.023	0.15	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	5	0.06	0.058	0.13	0.02	0.002	0.045	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	5	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	5	0.18	0.17	0.28	0.04	0.012	0.109	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	5	0.5	0.5	0.7	0.2	0.045	0.212	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-06/10/91	4	4.	4.	4.	4.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/12/72-08/12/91	5 ##	50.	310.	1000.	50.	171750.	414.427	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/12/72-08/12/91	5 ##	1.699	2.14	3.	1.699	0.384	0.62	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			137.973								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	05/12/72-06/27/79	5 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/12/72-06/27/79	5	0.03	0.032	0.05	0.01	0.	0.018	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1973 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	11	15.	15.455	26.7	3.3	73.001	8.544	3.42	10.	24.4	26.7
00300	OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	11	8.4	9.073	12.8	7.	4.602	2.145	7.	7.2	10.6	12.68
00400	PH (STANDARD UNITS)	05/12/72-06/10/91	11	6.7	6.682	7.	6.5	0.02	0.14	6.5	6.6	6.7	6.96
00400	CONVERTED PH (STANDARD UNITS)	05/12/72-06/10/91	11	6.7	6.663	7.	6.5	0.02	0.142	6.5	6.6	6.7	6.96
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/12/72-06/10/91	11	0.2	0.217	0.316	0.1	0.004	0.064	0.112	0.2	0.251	0.316
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	11 ##	0.05	0.057	0.1	0.03	0.	0.022	0.034	0.05	0.05	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	11 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	11	0.15	0.141	0.29	0.05	0.005	0.071	0.056	0.08	0.17	0.276
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	11	0.6	0.927	5.	0.3	1.856	1.362	0.3	0.3	0.7	4.16
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-06/10/91	10	3.	14.5	100.	3.	919.167	30.318	3.	3.	9.25	91.6
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/12/72-08/12/91	11	200.	245.455	1000.	50.	79727.273	282.36	50.	50.	400.	880.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/12/72-08/12/91	11	2.301	2.173	3.	1.699	0.203	0.451	1.699	1.699	2.602	2.92
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			148.939								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	05/12/72-06/27/79	11 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/12/72-06/27/79	11 ##	0.05	0.057	0.1	0.03	0.	0.022	0.034	0.05	0.05	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	12	17.75	16.742	24.4	6.1	45.05	6.712	6.1	10.275	22.75	24.4
00300	OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	12	7.95	8.667	12.1	7.	3.301	1.817	7.	7.2	10.575	11.83
00400	PH (STANDARD UNITS)	05/12/72-06/10/91	12	6.95	6.958	7.5	6.5	0.066	0.257	6.56	6.8	7.1	7.41
00400	CONVERTED PH (STANDARD UNITS)	05/12/72-06/10/91	12	6.947	6.892	7.5	6.5	0.071	0.267	6.56	6.8	7.1	7.41
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/12/72-06/10/91	12	0.113	0.128	0.316	0.032	0.006	0.075	0.041	0.079	0.158	0.281
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	10 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	10 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	10	0.15	0.214	0.9	0.005	0.063	0.251	0.012	0.085	0.23	0.833
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	10	0.3	0.33	0.6	0.1	0.018	0.134	0.11	0.275	0.4	0.58
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-06/10/91	11	2.	2.455	4.	1.	1.073	1.036	1.	2.	3.	4.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/12/72-08/12/91	10 ##	50.	195.	1400.	50.	179694.444	423.904	50.	50.	100.	1270.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/12/72-08/12/91	10 ##	1.699	1.904	3.146	1.699	0.206	0.454	1.699	1.699	2.	3.032
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			80.148								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/12/72-06/27/79	10 ##	0.05	0.055	0.1	0.05	0.	0.016	0.05	0.05	0.05	0.095
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/12/72-06/27/79	10 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	11	16.	14.491	25.6	2.2	80.971	8.998	2.32	5.	23.9	25.48
00300	OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	11	8.5	9.427	13.	7.	4.71	2.17	7.04	7.5	11.8	12.88
00400	PH (STANDARD UNITS)	05/12/72-06/10/91	11	7.	6.964	7.4	6.5	0.069	0.262	6.56	6.8	7.	7.4
00400	CONVERTED PH (STANDARD UNITS)	05/12/72-06/10/91	11	7.	6.896	7.4	6.5	0.074	0.271	6.56	6.8	7.	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/12/72-06/10/91	11	0.1	0.127	0.316	0.04	0.006	0.075	0.04	0.1	0.158	0.285
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	10 ##	0.05	0.055	0.1	0.05	0.	0.016	0.05	0.05	0.05	0.095
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	10 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	10	0.135	0.126	0.19	0.02	0.004	0.061	0.023	0.08	0.183	0.19
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	10	0.3	0.32	0.6	0.2	0.017	0.132	0.2	0.2	0.35	0.59
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-06/10/91	9	3.	3.5	8.	0.5	4.125	2.031	0.5	2.5	4.	8.
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/12/72-08/12/91	10 ##	50.	100.	500.	50.	20000.	141.421	50.	50.	62.5	460.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/12/72-08/12/91	10 ##	1.699	1.829	2.699	1.699	0.102	0.32	1.699	1.699	1.774	2.629
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	67.464							
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/12/72-06/27/79	10 ##	0.05	0.055	0.1	0.05	0.	0.016	0.05	0.05	0.05	0.095
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/12/72-06/27/79	10 ##	0.05	0.036	0.05	0.01	0.	0.018	0.01	0.018	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	12	11.4	12.092	24.4	0.	84.999	9.219	0.18	2.9	21.275	24.25
00300	OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	11	9.8	9.864	13.2	6.9	5.407	2.325	6.96	7.8	12.5	13.08
00400	PH (STANDARD UNITS)	05/12/72-06/10/91	12	7.15	7.133	7.4	6.7	0.048	0.219	6.76	7.	7.3	7.4
00400	CONVERTED PH (STANDARD UNITS)	05/12/72-06/10/91	12	7.147	7.08	7.4	6.7	0.051	0.226	6.76	7.	7.3	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/12/72-06/10/91	12	0.071	0.083	0.2	0.04	0.002	0.046	0.04	0.05	0.1	0.177
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	12 ##	0.05	0.062	0.1	0.05	0.001	0.023	0.05	0.05	0.088	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	12 ##	0.005	0.01	0.03	0.005	0.	0.009	0.005	0.005	0.018	0.027
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	9	0.12	0.114	0.19	0.025	0.004	0.059	0.025	0.06	0.17	0.19
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	12	0.3	0.35	1.099	0.2	0.064	0.254	0.2	0.2	0.375	0.919
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-06/10/91	12	3.5	3.75	6.	2.	1.295	1.138	2.3	3.	4.75	5.7
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/12/72-08/12/91	11	100.	368.182	1400.	50.	236636.364	486.453	50.	50.	900.	1320
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/12/72-08/12/91	11	2.	2.227	3.146	1.699	0.302	0.549	1.699	1.699	2.954	3.117
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	168.702							
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/12/72-06/27/79	12 ##	0.05	0.058	0.1	0.05	0.	0.019	0.05	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/12/72-06/27/79	12	0.01	0.019	0.07	0.005	0.	0.02	0.005	0.005	0.028	0.061

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Annual Analysis for 1977 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	8	5.75	10.45	24.	0.6	118.203	10.872	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	7	8.7	9.429	12.	7.6	2.802	1.674	**	**	**	**
00400	PH (STANDARD UNITS)	05/12/72-06/10/91	8	7.2	7.225	7.8	6.7	0.208	0.456	**	**	**	**

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Annual Analysis for 1977 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00400	CONVERTED PH (STANDARD UNITS)	05/12/72-06/10/91	8	7.155	7.046	7.8	6.7	0.244	0.494	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/12/72-06/10/91	8	0.07	0.09	0.2	0.016	0.005	0.074	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	8##	0.05	0.069	0.1	0.05	0.001	0.026	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	8##	0.005	0.007	0.01	0.005	0.	0.003	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	8	0.3	0.388	0.8	0.2	0.05	0.223	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-06/10/91	7	3.	3.429	4.	3.	0.286	0.535	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/12/72-08/12/91	8	150.	187.5	600.	50.	31964.286	178.786	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/12/72-08/12/91	8	2.151	2.135	2.778	1.699	0.13	0.361	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			136.426								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	05/12/72-06/27/79	8##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/12/72-06/27/79	8##	0.005	0.008	0.02	0.005	0.	0.005	**	**	**	**

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Annual Analysis for 1978 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	12	14.	14.958	28.	0.5	51.43	7.171	3.35	11.5	20.5	26.8
00300	OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	12	7.9	8.55	13.4	6.5	3.501	1.871	6.65	7.425	9.35	12.5
00400	PH (STANDARD UNITS)	05/12/72-06/10/91	12	7.	7.017	7.4	6.8	0.031	0.175	6.8	6.85	7.1	7.34
00400	CONVERTED PH (STANDARD UNITS)	05/12/72-06/10/91	12	7.	6.987	7.4	6.8	0.032	0.178	6.8	6.85	7.1	7.34
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/12/72-06/10/91	12	0.1	0.103	0.158	0.04	0.001	0.038	0.047	0.079	0.144	0.158
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	10##	0.05	0.055	0.1	0.05	0.	0.016	0.05	0.05	0.05	0.095
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	10##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	10	0.25	0.265	0.5	0.05	0.02	0.142	0.055	0.175	0.4	0.49
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-06/10/91	10	3.5	3.6	5.	1.	1.6	1.265	1.2	3.	5.	5.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/12/72-08/12/91	10	150.	285.	1100.	50.	113916.667	337.515	50.	50.	450.	1050.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/12/72-08/12/91	10	2.151	2.212	3.041	1.699	0.228	0.478	1.699	1.699	2.646	3.015
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			162.951								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	05/12/72-06/27/79	10##	0.05	0.07	0.2	0.05	0.002	0.048	0.05	0.05	0.063	0.19
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/12/72-06/27/79	10	0.01	0.018	0.06	0.005	0.	0.017	0.005	0.009	0.023	0.057

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	5	12.	13.06	20.8	4.	43.518	6.597	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	5	10.2	10.1	13.	8.3	3.5	1.871	**	**	**	**
00400	PH (STANDARD UNITS)	05/12/72-06/10/91	5	6.9	6.82	7.	6.5	0.047	0.217	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/12/72-06/10/91	5	6.9	6.774	7.	6.5	0.05	0.223	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/12/72-06/10/91	5	0.126	0.168	0.316	0.1	0.008	0.092	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	5##	0.05	0.05	0.05	0.	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	5##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	5	0.3	0.3	0.4	0.2	0.005	0.071	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-06/10/91	5	3.	2.8	4.	2.	0.7	0.837	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/12/72-08/12/91	5##	50.	110.	300.	50.	11750.	108.397	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	05/12/72-08/12/91	5##	1.699	1.915	2.477	1.699	0.116	0.34	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			82.188								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	05/12/72-06/27/79	5##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/12/72-06/27/79	5	0.02	0.019	0.03	0.005	0.	0.011	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	4	16.05	15.	21.8	6.1	54.593	7.389	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	2	8.7	8.7	9.5	7.9	1.28	1.131	**	**	**	**
00400	PH (STANDARD UNITS)	05/12/72-06/10/91	4	6.85	6.85	7.5	6.2	0.417	0.645	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/12/72-06/10/91	4	6.65	6.556	7.5	6.2	0.532	0.729	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/12/72-06/10/91	4	0.224	0.278	0.631	0.032	0.084	0.29	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	4##	0.02	0.028	0.05	0.02	0.	0.015	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	4##	0.005	0.006	0.01	0.005	0.	0.003	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	4	0.1	0.11	0.17	0.07	0.002	0.045	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	4	0.4	0.425	0.6	0.3	0.016	0.126	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-06/10/91	4	3.	3.75	6.	3.	2.25	1.5	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	6	10.7	12.7	21.9	3.9	52.02	7.212	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	6	10.1	9.383	11.5	6.6	3.882	1.97	**	**	**	**
00400	PH (STANDARD UNITS)	05/12/72-06/10/91	6	6.9	6.817	7.2	6.1	0.158	0.397	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/12/72-06/10/91	6	6.889	6.634	7.2	6.1	0.198	0.445	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/12/72-06/10/91	6	0.129	0.232	0.794	0.063	0.078	0.28	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	7	0.04	0.037	0.06	0.02	0.	0.017	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	7##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	7	0.1	0.101	0.15	0.06	0.001	0.034	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	7	0.4	0.414	0.6	0.3	0.011	0.107	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-06/10/91	6	2.	2.333	3.	2.	0.267	0.516	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/12/72-08/12/91	3	45.	36.667	45.	20.	208.333	14.434	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/12/72-08/12/91	3	1.653	1.536	1.653	1.301	0.041	0.203	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN = 34.341									

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	21	22.2	21.076	28.	2.5	29.539	5.435	15.68	19.05	24.2	26.36
00300	OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	20	7.45	7.56	8.8	6.9	0.369	0.607	7.	7.	7.975	8.76
00400	PH (STANDARD UNITS)	05/12/72-06/10/91	21	7.	6.99	7.5	6.4	0.086	0.293	6.6	6.8	7.2	7.46
00400	CONVERTED PH (STANDARD UNITS)	05/12/72-06/10/91	21	7.	6.897	7.5	6.4	0.095	0.308	6.6	6.8	7.2	7.46
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/12/72-06/10/91	21	0.1	0.127	0.398	0.032	0.008	0.089	0.035	0.063	0.158	0.251
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	22 ##	0.05	0.05	0.1	0.02	0.	0.014	0.029	0.05	0.05	0.05
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	22 ##	0.005	0.005	0.01	0.005	0.	0.001	0.005	0.005	0.005	0.008
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	18	0.12	0.124	0.28	0.025	0.004	0.06	0.048	0.08	0.17	0.19
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	22	0.35	0.595	5.	0.2	0.995	0.997	0.2	0.3	0.525	0.77
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-06/10/91	18	3.	8.417	100.	0.5	524.243	22.896	0.95	2.75	4.	15.4
01092	ZINC, TOTAL (UG/L AS ZN)	05/12/72-06/10/91	9 ##	5.	20.	90.	5.	906.25	30.104	5.	5.	30.	90.
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/12/72-08/12/91	20	75.	173.25	900.	20.	52742.829	229.658	45.5	50.	175.	580.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/12/72-08/12/91	20	1.849	1.989	2.954	1.301	0.193	0.439	1.658	1.699	2.226	2.761
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	97.539								
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/12/72-06/27/79	18 ##	0.05	0.053	0.1	0.05	0.	0.012	0.05	0.05	0.05	0.055
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/12/72-06/27/79	18	0.04	0.038	0.1	0.005	0.001	0.029	0.005	0.01	0.05	0.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	39	6.7	7.459	16.1	0.	23.79	4.878	0.6	3.3	11.5	15.
00300	OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	37	10.6	10.565	13.4	6.5	3.717	1.928	7.74	8.85	12.15	13.
00400	PH (STANDARD UNITS)	05/12/72-06/10/91	39	6.8	6.81	7.5	6.1	0.095	0.308	6.5	6.7	7.	7.3
00400	CONVERTED PH (STANDARD UNITS)	05/12/72-06/10/91	39	6.8	6.704	7.5	6.1	0.106	0.326	6.5	6.7	7.	7.3
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/12/72-06/10/91	39	0.158	0.198	0.794	0.032	0.025	0.157	0.05	0.1	0.2	0.316
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	35 ##	0.05	0.051	0.1	0.02	0.	0.021	0.02	0.05	0.05	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	35 ##	0.005	0.007	0.03	0.005	0.	0.005	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	22	0.095	0.153	0.9	0.005	0.033	0.182	0.043	0.068	0.18	0.284
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	35	0.3	0.327	0.8	0.05	0.026	0.161	0.2	0.2	0.4	0.54
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-06/10/91	37	4.	4.135	16.	2.	5.62	2.371	2.8	3.	4.	6.2
01092	ZINC, TOTAL (UG/L AS ZN)	05/12/72-06/10/91	17 ##	5.	10.588	30.	5.	77.757	8.818	5.	5.	15.	30.
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/12/72-08/12/91	30 ##	50.	203.333	1100.	50.	96022.989	309.876	50.	50.	200.	960.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/12/72-08/12/91	30 ##	1.699	2.	3.041	1.699	0.21	0.458	1.699	1.699	2.301	2.978
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	100.024								
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/12/72-06/27/79	31 ##	0.05	0.058	0.2	0.05	0.001	0.029	0.05	0.05	0.05	0.09
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/12/72-06/27/79	31 ##	0.02	0.026	0.05	0.005	0.	0.02	0.005	0.005	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/12/72-06/10/91	26	19.7	18.477	26.7	10.	25.441	5.044	11.45	14.	22.625	24.76
00300	OXYGEN, DISSOLVED MG/L	05/12/72-06/10/91	25	8.6	8.58	10.7	6.6	1.223	1.106	7.2	7.8	9.45	10.36
00400	PH (STANDARD UNITS)	05/12/72-06/10/91	26	7.	7.085	7.8	6.5	0.102	0.32	6.7	6.9	7.4	7.52
00400	CONVERTED PH (STANDARD UNITS)	05/12/72-06/10/91	26	7.	6.986	7.8	6.5	0.112	0.335	6.7	6.9	7.4	7.52
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	05/12/72-06/10/91	26	0.1	0.103	0.316	0.016	0.005	0.068	0.033	0.04	0.126	0.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/12/72-08/12/91	25 ##	0.05	0.062	0.13	0.02	0.001	0.026	0.046	0.05	0.08	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	25 ##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.008	0.014
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/12/72-08/12/91	16	0.15	0.148	0.23	0.02	0.004	0.06	0.055	0.103	0.19	0.23
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/12/72-08/12/91	25	0.4	0.428	1.099	0.1	0.046	0.215	0.2	0.3	0.6	0.7
00940	CHLORIDE, TOTAL IN WATER MG/L	08/31/72-06/10/91	23	3.	2.739	4.	1.	0.656	0.81	2.	2.	3.	4.
01092	ZINC, TOTAL (UG/L AS ZN)	05/12/72-06/10/91	12 ##	5.	11.25	30.	5.	77.841	8.823	5.	5.	20.	27.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0049

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/12/72-08/12/91	23	100.	291.087	1400.	45.	165486.265	406.8	50.	50.	300.	1240.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/12/72-08/12/91	23	2.	2.175	3.146	1.653	0.231	0.481	1.699	1.699	2.477	3.088
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	149.618								
70505	PHOSPHATE,TOTAL,COLORIMETRIC MÉTHOD (MG/L AS P)	05/12/72-06/27/79	22 ##	0.05	0.055	0.1	0.05	0.	0.015	0.05	0.05	0.05	0.085
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/12/72-06/27/79	22 ##	0.035	0.032	0.07	0.005	0.	0.02	0.007	0.01	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0050

NPS Station ID: FRSP0050
 Location: POTO.R. POSSUM PT.400 YDS.NW R44
 Station Type: /TYP/Ambnt/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: NORTH ATLANTIC
 Minor Basin: CHESAPEAKE BAY-POTOMAC R.
 RF1 Index: 02080104
 RF3 Index:
 Description:

LAT/LON: 38.268892/ -77.532226

Agency: 1113PESE
 FIPS State/County: 24000 MARYLAND/
 STORET Station ID(s): POTOMAC 032 /032 /11B
 Within Park Boundary: No

Date Created: / /

Depth of Water: 1
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0050

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0051

NPS Station ID: FRSP0051 LAT/LON: 38.312505/ -77.535281
 Location: FREDERICKSBURG, MOTTS RUN RESERVOIR
 Station Type: /RESERV/TYPA/MUN/OUTFL/AMBN/TOWN
 RMI-Indexes: 0215002 003130
 RMI-Miles: 0117.76 0000.15
 HUC: 02080104 Depth of Water: 0
 Major Basin: NORTH ATLANTIC Elevation: 0
 Minor Basin: YORK
 RF1 Index: 02080104 RF1 Mile Point: 0.000
 RF3 Index: RF3 Mile Point: 0.00
 Description:
 SYMBOL SUPPLY TREATMENT STORAGE PLANNING DATA *****
 DRAIN STORAGE PROCESS EXISTING/ UTILITY POP SAFE DEMAND AREA
 (SQM) CAP(MGD) (MGD) **** ***** ***** *****
 @WRI 10.3 C 6.0 TOWN OF 13.5K 22.3* 3.34 FRDKSBG
 TOPO NAME: SALEM CHURCH TOPO NUMBER: 183D
 HPU: #16/11-13-81 *INCLUDES RAPPAHANNOCK INTAK
 DESCRIPTIVE PARAGRAPH INFORMATION FOR UNOFFICIAL USE ONLY

Agency: 21VASWCB
FIPS State/County: 51157 VIRGINIA/RAPPAHANNOCK
STORET Station ID(s): FREDMOTTS @WRI
Within Park Boundary: No

Date Created: 02/06/82

Aquifer:
Water Body Id:
ECO Region:
Distance from RF1: 0.00
Distance from RF3: 0.00

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: FRSP0051

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0052

NPS Station ID: FRSP0052
 Location: ROUTE 639 (SPOTSYLVANIA COUNTY)
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080104
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: HAZEL RUN SECTION: 04 AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
 TOPO MAP #: 0036 TOPO MAP NAME: SALEM CHURCH, VA

LAT/LON: 38.272781/ -77.535837

Agency: 21VASWCB
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): 3-HAL006.77
 Within Park Boundary: No

Date Created: 05/01/93

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0052

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	06/08/77-06/08/77	1	9.2	9.2	9.2	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	06/08/77-06/08/77	1	2.	2.	2.	0.	0.	**	**	**	**
00340	COD, 25N K2CR207 MG/L	06/08/77-06/08/77	1	11.	11.	11.	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	06/08/77-06/08/77	1	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	06/08/77-06/08/77	1	6.8	6.8	6.8	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/08/77-06/08/77	1	0.158	0.158	0.158	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	06/08/77-06/08/77	1	33.	33.	33.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	06/08/77-06/08/77	1	88.	88.	88.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	06/08/77-06/08/77	1	20.	20.	20.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	06/08/77-06/08/77	1	68.	68.	68.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/08/77-06/08/77	1	8.	8.	8.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/08/77-06/08/77	1	3.	3.	3.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	06/08/77-06/08/77	1	5.	5.	5.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/08/77-06/08/77	1##	0.05	0.05	0.05	0.05	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	06/08/77-06/08/77	1##	0.005	0.005	0.005	0.005	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	06/08/77-06/08/77	1	0.24	0.24	0.24	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/08/77-06/08/77	1	0.3	0.3	0.3	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	06/08/77-06/08/77	1##	0.05	0.05	0.05	0.05	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/08/77-06/08/77	1##	0.005	0.005	0.005	0.005	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	06/08/77-06/08/77	1	8.	8.	8.	8.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/08/77-06/08/77	1	300.	300.	300.	300.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/08/77-06/08/77	1	2.477	2.477	2.477	2.477	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	300.							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0052

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed Prop.	Obs	Exceed Prop.	Obs	Exceed Prop.	Obs	Exceed Prop.	Obs
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00					1	0	0.00		
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00					1	0	0.00		
		Other-Lo Lim.	6.5	1	0	0.00					1	0	0.00		
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00					1	0	0.00		
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00					1	0	0.00		
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00					1	1	1.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0053

NPS Station ID: FRSP0053
 Location: RAPPAHANNOCK R AT BITZNER MEADOW
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes: 0215046
 RMI-Miles: 0114.40
 HUC: 02080104
 Major Basin: NORTH ATLANTIC
 Minor Basin: -RAPPAHANNOCK R
 RF1 Index: 02080104042
 RF3 Index:
 Description:

LAT/LON: 38.313615/ -77.540838

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 12.230
 RF3 Mile Point: 0.00

Agency: 1113REG3
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): 5117701 /SC-1
 Within Park Boundary: No

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

Date Created: / /

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0053

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0054

NPS Station ID: FRSP0054
 Location: VA 620 BR NEAR DUNAVANT VA
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: RAPPAHANNOCK RIVER
 Minor Basin: RADIDAN RIVER HUNTING RUN
 RF1 Index: 02080104042
 RF3 Index:
 Description:
 PRE-IMPOUNDMENT STUDY IN RAPPAHAN-NOCK RIVER BASIN IN THE VICINITY OF THE PROPOSED SALEM CHURCH LAKE. REQUESTED BY ARMY CORPS OF ENGINEERS

LAT/LON: 38.312781/ -77.541671

Agency: 1113VABD
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): R 8 /HUNTING RUN
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 12.230
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0054

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0055

NPS Station ID: FRSP0055

Location: MOTTS RUN RESERVOIR - 100' FROM DAM-SPOTSYLVANIA

Station Type: /TYP/A/MBNT/LAKE

RMI-Indexes:

RMI-Miles:

HUC: 02080104

Major Basin: 02-NORTH ATLANTIC

Minor Basin: 3-RAPPAHANOCK

RF1 Index: 02080104

RF3 Index: RF1 Mile Point: 0.000

RF3 Mile Point: 0.000

Description:

VIRGINIA STATE WATER CONTROL BOARD

RIVER: MOTTS RUN

AMBIENT MONITORING

SECTION: 04C

LAT/LON: 38.312226/ -77.546949

BASIN: 3 RAPPAHANOCK

TOPO MAP #: 0036 TOPO MAP NAME: SALEM CHURCH, VA

Agency: 21VASWCB

FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA

STORET Station ID(s): 3-MOT000.39

Within Park Boundary: No

Date Created: 07/06/91

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: FRSP0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/14/91-07/23/96	2	26.95	26.95	27.6	26.3	0.845	0.919	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	08/14/91-08/14/91	1	1.9	1.9	1.9	1.9	0.	0.	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/23/96-07/23/96	1	5.1	5.1	5.1	5.1	0.	0.	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	07/23/96-07/23/96	1	1.4	1.4	1.4	1.4	0.	0.	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	08/14/91-08/14/91	1	16.	16.	16.	16.	0.	0.	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/23/96-07/23/96	1	71.	71.	71.	71.	0.	0.	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/14/91-07/23/96	2	67.5	67.5	69.	66.	4.5	2.121	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	07/23/96-07/23/96	1	9.	9.	9.	9.	0.	0.	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/14/91-08/14/91	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/14/91-07/23/96	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/23/96-07/23/96	1	20.	20.	20.	20.	0.	0.	**	**	**
00400	PH (STANDARD UNITS)	08/14/91-07/23/96	2	7.75	7.75	8.5	7.	1.125	1.061	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/14/91-07/23/96	2	7.288	7.288	8.5	7.	1.553	1.246	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/91-07/23/96	2	0.052	0.052	0.1	0.003	0.005	0.068	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/14/91-07/23/96	2	7.15	7.15	7.2	7.1	0.005	0.071	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/14/91-07/23/96	2	7.147	7.147	7.2	7.1	0.005	0.071	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/14/91-07/23/96	2	0.071	0.071	0.079	0.063	0.	0.012	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/14/91-07/23/96	2	13.	13.	14.	12.	2.	1.414	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/14/91-07/23/96	2	58.5	58.5	61.	56.	12.5	3.536	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/14/91-07/23/96	2	24.5	24.5	25.	24.	0.5	0.707	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	08/14/91-07/23/96	2	34.	34.	37.	31.	18.	4.243	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/14/91-07/23/96	2##	1.5	1.5	1.5	1.5	0.	0.	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/14/91-07/23/96	2##	1.5	1.5	1.5	1.5	0.	0.	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/14/91-07/23/96	2##	1.5	1.5	1.5	1.5	0.	0.	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/14/91-07/23/96	3##	0.02	0.02	0.02	0.02	0.	0.	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/14/91-07/23/96	3##	0.005	0.005	0.005	0.005	0.	0.	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/14/91-07/23/96	3##	0.02	0.02	0.02	0.02	0.	0.	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/14/91-07/23/96	3	0.4	0.5	0.7	0.4	0.03	0.173	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/14/91-07/23/96	3##	0.005	0.01	0.02	0.005	0.	0.009	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/23/96-07/23/96	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/23/96-07/23/96	1	18.	18.	18.	18.	0.	0.	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/14/91-07/23/96	2	7.	7.	8.	6.	2.	1.414	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/14/91-07/23/96	2##	3.75	3.75	5.	2.5	3.125	1.768	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00951 FLUORIDE, TOTAL (MG/L AS F)	08/14/91-08/14/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)	08/14/91-08/14/91	1	11.7	11.7	11.7	11.7	0.	0.	**	**	**	**
01000 ARSENIC, DISSOLVED (UG/L AS AS)	07/23/96-07/23/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	08/14/91-08/14/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01003 ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	08/14/91-07/23/96	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01005 BARIUM, DISSOLVED (UG/L AS BA)	07/23/96-07/23/96	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01010 BERYLLIUM, DISSOLVED (UG/L AS BE)	07/23/96-07/23/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS CD)	07/23/96-07/23/96	1 ##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	08/14/91-08/14/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01028 CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/14/91-07/23/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029 CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/14/91-07/23/96	1	29.	29.	29.	29.	0.	0.	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	07/23/96-07/23/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	08/14/91-08/14/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01040 COPPER, DISSOLVED (UG/L AS CU)	07/23/96-07/23/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	08/14/91-08/14/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043 COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	08/14/91-07/23/96	1	27.	27.	27.	27.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	08/14/91-08/14/91	2 ##	107.5	107.5	180.	35.	10512.5	102.53	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	07/23/96-07/23/96	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01049 LEAD, DISSOLVED (UG/L AS PB)	07/23/96-07/23/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	08/14/91-08/14/91	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01052 LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	08/14/91-07/23/96	1	30.	30.	30.	30.	0.	0.	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	08/14/91-08/14/91	2	81.	81.	150.	12.	9522.	97.581	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	07/23/96-07/23/96	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01057 THALLIUM, DISSOLVED (UG/L AS TL)	07/23/96-07/23/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	07/23/96-07/23/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01068 NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	08/14/91-07/23/96	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01075 SILVER, DISSOLVED (UG/L AS AG)	07/23/96-07/23/96	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)	07/23/96-07/23/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	08/14/91-08/14/91	2 ##	12.5	12.5	20.	5.	112.5	10.607	**	**	**	**
01093 ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	08/14/91-07/23/96	1	127.	127.	127.	127.	0.	0.	**	**	**	**
01095 ANTIMONY, DISSOLVED (UG/L AS SB)	07/23/96-07/23/96	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01145 SELENIUM, DISSOLVED (UG/L AS SE)	07/23/96-07/23/96	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	08/14/91-07/23/96	3 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	08/14/91-07/23/96	3 ##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOOMETRIC MEAN =	50.								
34259 DELTA BENZENE HEXACHLORIDE TOTWUG/L	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
34351 ENDOSULFAN SULFATE TOTWUG/L	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
34356 ENDOSULFAN, BETA TOTWUG/L	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
34366 ENDRIN ALDEHYDE TOTWUG/L	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
34671 PCB - 1016 TOTWUG/L	08/14/91-07/23/96	3 ##	0.01	0.09	0.25	0.01	0.019	0.139	**	**	**	**
38442 DICAMBA (BANVEL) WATER,DISSUG/L	07/23/96-07/23/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
38451 DICHLORPROP WATER,SUSPUG/L	07/23/96-07/23/96	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
38745 2,4-DB WATER, TOTWUG/L	07/23/96-07/23/96	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	3 ##	0.01	0.023	0.05	0.01	0.001	0.023	**	**	**	**
39033 ATRAZINE IN WHOLE WATER SAMPLE UG/L	07/23/96-07/23/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39061 PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	08/14/91-07/23/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39300 P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
39310 P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
39320 P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
39338 BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
39340 GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
39350 CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	07/23/96-07/23/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351 CHLORDANE(TECH MIX & METABS),SEDIMENTS,DRY WGT,UG/KG	08/14/91-07/23/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39363 DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39368 DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39373 DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
39383 DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/14/91-07/23/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	3 ##	0.01	0.015	0.025	0.01	0.	0.009	**	**	**	**
39393 ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0055

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	3 ##	0.01	0.09	0.25	0.01	0.019	0.139	**	**	**	**
39403 TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/14/91-07/23/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
39410 HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
39413 HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	08/14/91-07/23/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/14/91-07/23/96	3 ##	0.01	0.008	0.01	0.005	0.	0.003	**	**	**	**
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	3 ##	0.01	0.09	0.25	0.01	0.019	0.139	**	**	**	**
39492 PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	3 ##	0.01	0.09	0.25	0.01	0.019	0.139	**	**	**	**
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	3 ##	0.01	0.09	0.25	0.01	0.019	0.139	**	**	**	**
39500 PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	3 ##	0.01	0.09	0.25	0.01	0.019	0.139	**	**	**	**
39504 PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	07/23/96-07/23/96	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	08/14/91-07/23/96	3 ##	0.01	0.09	0.25	0.01	0.019	0.139	**	**	**	**
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39526 PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	08/14/91-07/23/96	1 ##	250.	250.	250.	250.	0.	0.	**	**	**	**
39560 DEMETON IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730 2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39740 2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39760 SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/23/96-07/23/96	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/23/96-07/23/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
71890 MERCURY, DISSOLVED (UG/L AS HG)	07/23/96-07/23/96	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71900 MERCURY, TOTAL (UG/L AS HG)	08/14/91-08/14/91	2 ##	1.325	1.325	2.5	0.15	2.761	1.662	**	**	**	**
71921 MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/14/91-07/23/96	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
75045 HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	08/14/91-07/23/96	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
77825 ALACHLOR WHOLE WATER,UG/L	07/23/96-07/23/96	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
79799 DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	08/14/91-07/23/96	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
81281 KEPONE(C10CL10O) WHOLE WATER SAMPLE UG/L	07/23/96-07/23/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82037 MAGNESIUM - DISSOLVED UG/L (AS MG)	07/23/96-07/23/96	1	1480.	1480.	1480.	1480.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0055

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400 PH	Fresh Chronic	9.	2	0	0.00	2	0	0.00									
00403 PH, LAB	Other-Lo Lim.	6.5	2	0	0.00	2	0	0.00									
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	3	0	0.00									
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	3	0	0.00									
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	2	0	0.00									
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00	1	0	0.00									
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00									
01002 ARSENIC, TOTAL	Drinking Water	50.	1	0	0.00	1	0	0.00									
01005 BARIUM, DISSOLVED	Drinking Water	2000.	1	0	0.00	1	0	0.00									
01010 BERYLLIUM, DISSOLVED	Fresh Acute	130.	1	0	0.00	1	0	0.00									
01025 CADMIUM, DISSOLVED	Drinking Water	4.	1	0	0.00	1	0	0.00									
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00	1	0	0.00									
01030 CHROMIUM, DISSOLVED	Drinking Water	5.	1	0	0.00	1	0	0.00									
01034 CHROMIUM, TOTAL	Drinking Water	100.	2	0	0.00	2	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0055

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00	1	0	0.00						
		Drinking Water	1300.	1	0	0.00	1	0	0.00						
01042	COPPER, TOTAL	Fresh Acute	18.	2	0	0.00	2	0	0.00						
		Drinking Water	1300.	2	0	0.00	2	0	0.00						
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00						
		Drinking Water	15.	1	0	0.00	1	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	82.	2	0	0.00	2	0	0.00						
		Drinking Water	15.	2	0	0.00	2	0	0.00						
01057	THALLIUM, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00						
		Drinking Water	2.	0&	0	0.00									
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00						
		Drinking Water	100.	1	0	0.00	1	0	0.00						
01075	SILVER, DISSOLVED	Fresh Acute	4.1	1	0	0.00	1	0	0.00						
		Drinking Water	100.	1	0	0.00	1	0	0.00						
01090	ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00	1	0	0.00						
		Drinking Water	5000.	1	0	0.00	1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	2	0	0.00	2	0	0.00						
		Drinking Water	5000.	2	0	0.00	2	0	0.00						
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	1	0	0.00	1	0	0.00						
		Drinking Water	6.	1	0	0.00	1	0	0.00						
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00	1	0	0.00						
		Drinking Water	50.	1	0	0.00	1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	3	0	0.00	3	0	0.00						
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	3	0	0.00	3	0	0.00						
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	3	0	0.00	3	0	0.00						
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	3	0	0.00	3	0	0.00						
		Drinking Water	1.	3	0	0.00	3	0	0.00						
39033	ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00	1	0	0.00						
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	3	0	0.00	3	0	0.00						
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	3	0	0.00	3	0	0.00						
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	3	0	0.00	3	0	0.00						
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	3	0	0.00	3	0	0.00						
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	3	0	0.00	3	0	0.00						
		Drinking Water	0.2	3	0	0.00	3	0	0.00						
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00	1	0	0.00						
		Drinking Water	2.	1	0	0.00	1	0	0.00						
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	3	0	0.00	3	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	3	0	0.00	3	0	0.00						
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	3	0	0.00	3	0	0.00						
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	3	0	0.00						
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	3	0	0.00						
		Drinking Water	0.4	3	0	0.00	3	0	0.00						
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00						
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00						
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00						
		Drinking Water	2.	1	0	0.00	1	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	2.4	2	1	0.50	2	1	0.50						
		Drinking Water	2.	2	1	0.50	2	1	0.50						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0056

NPS Station ID: FRSP0056
 Location: VA 654 BRIDGE NEAR BEREA VA
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: RAPPAHANNOCK RIVER
 Minor Basin: ROCKY PEN RUN ROCKY PEN RUN
 RF1 Index: 02080104042 RF1 Mile Point: 14.320
 RF3 Index: RF3 Mile Point: 0.00
 Description:
 PRE-IMPOUNDMENT STUDY IN RAPPAHANNOCK RIVER BASIN IN THE VICINITY OF THE PROPOSED SALEM CHURCH LAKE. REQUESTED BY ARMY CORPS OF ENGINEERS

LAT/LON: 38.343893/ -77.549171

Agency: 1113VABD
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): R 1 /ROCKY PEN
 Within Park Boundary: No

Date Created: / /

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0056

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0057

NPS Station ID: FRSP0057

Location: MOTTS RUN RESERVOIR - UPPER RESERVOIR SPOTSYLVAN

Station Type: /TYP/Ambnt/Lake

RMI-Indexes:

RMI-Miles:

HUC: 02080104

Major Basin: 02-NORTH ATLANTIC

Minor Basin: 3-RAPPAHANOCK

RF1 Index: 02080104

RF3 Index: RF1 Mile Point: 0.000

RF3 Mile Point: 0.000

Description:

VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN

RIVER: MOTTS RUN SECTION: 04C TOPO MAP #: 0036 TOPO MAP NAME: SALEM CHURCH, VA

Parameter Inventory for Station: FRSP0057

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/23/96-07/23/96	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0057

Parameter	Std. Type	Std. Value	Total	Exceed	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard		Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400 PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403 PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
	Drinking Water	250.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0058

NPS Station ID: FRSP0058
 Location: RT. 208 BR. N-E OF SPOTSYLVANIA
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080105
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 8-YORK
 RF1 Index: 02080105014
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: NI RIVER SECTION: 03D

LAT/LON: 38.217504/ -77.570004

Agency: 21VASWCB
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): 8-NIR009.61 /VA8-03DX0041/VA8-3X0041
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 9.150
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

AMBIENT MONITORING BASIN: 8 YORK REGION: 3 NORTHERN
 TOPO MAP #: 0024 TOPO MAP NAME: SPOTSYLVANIA, VA

Parameter Inventory for Station: FRSP0058

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	70	17.1	15.814	28.4	0.7	74.712	8.644	2.62	9.5	22.925	27.15
00070 TURBIDITY, (JACKSON CANDLE UNITS)	07/29/87-08/22/90	28	6.55	8.296	50.	2.3	72.706	8.527	3.78	4.85	8.05	11.52
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/87-10/24/89	22	73.5	76.818	124.	56.	338.918	18.41	57.3	63.75	87.	105.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/27/89-08/22/90	7	58.	64.571	85.	50.	178.952	13.377	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	69	7.	7.678	13.8	3.1	7.175	2.679	4.6	5.5	9.85	12.1
00310 BOD, 5 DAY, 20 DEG C MG/L	07/17/74-08/22/90	30	2.	1.733	4.	0.5	0.789	0.888	0.5	1.	2.	3.
00340 COD, 25N K2CR2O7 MG/L	07/29/87-08/22/90	29	17.	18.552	34.	9.	44.113	6.642	11.	12.5	24.	28.
00400 PH (STANDARD UNITS)	04/09/73-08/22/90	68	6.9	6.992	9.4	4.6	0.342	0.585	6.5	6.7	7.275	7.5
00400 CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	68	6.9	6.292	9.4	4.6	0.839	0.916	6.5	6.7	7.275	7.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	68	0.126	0.511	25.119	0.	9.188	3.031	0.032	0.053	0.2	0.316
00403 PH, LAB, STANDARD UNITS SU	07/29/87-08/22/90	29	6.7	6.648	7.	6.3	0.046	0.215	6.4	6.5	6.9	6.9
00403 CONVERTED PH, LAB, STANDARD UNITS	07/29/87-08/22/90	29	6.7	6.599	7.	6.3	0.049	0.221	6.4	6.5	6.9	6.9
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-08/22/90	29	0.2	0.252	0.501	0.1	0.014	0.12	0.126	0.126	0.316	0.398
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/87-08/22/90	29	20.	19.345	37.	7.	62.877	7.929	10.	12.	25.	28.
00500 RESIDUE, TOTAL (MG/L)	11/28/88-08/22/90	16	67.5	68.125	102.	45.	201.45	14.193	49.2	56.75	79.5	87.3
00505 RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-08/22/90	16	22.5	24.188	42.	2.	116.429	10.79	6.2	18.25	32.75	38.5
00510 RESIDUE, TOTAL FIXED (MG/L)	11/28/88-08/22/90	16	40.5	43.938	71.	32.	105.529	10.273	34.1	37.25	47.75	64.7
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-08/22/90	29	3.	4.759	35.	0.	38.833	6.232	1.	2.5	5.	9.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-08/22/90	29	2.5	3.552	35.	0.	39.524	6.287	0.5	1.	3.5	6.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-08/22/90	29 ##	2.	2.	7.	0.	2.643	1.626	0.5	0.5	2.5	5.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/09/73-08/22/90	65 ##	0.05	0.065	0.2	0.02	0.002	0.04	0.04	0.05	0.07	0.1
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	04/09/73-08/22/90	64 ##	0.005	0.006	0.02	0.005	0.	0.003	0.005	0.005	0.005	0.01
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	04/09/73-08/22/90	51	0.09	0.133	1.5	0.01	0.043	0.207	0.021	0.05	0.16	0.216
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/09/73-08/22/90	65	0.5	0.489	1.4	0.2	0.04	0.199	0.3	0.4	0.6	0.8
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/11/76-05/22/79	11	0.07	0.102	0.31	0.025	0.009	0.094	0.025	0.025	0.15	0.288
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-08/22/90	27	0.1	0.093	0.2	0.05	0.001	0.03	0.05	0.1	0.1	0.1
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/29/87-08/22/90	27	0.02	0.02	0.1	0.005	0.	0.017	0.01	0.01	0.02	0.03
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/87-08/22/90	24	6.35	6.675	11.2	3.9	2.441	1.562	4.75	5.8	7.575	8.55
00900 HARDNESS, TOTAL (MG/L AS CACO3)	05/20/77-08/22/90	30	24.	24.567	42.	14.	64.116	8.007	16.	16.	28.25	39.5
00940 CHLORIDE, TOTAL IN WATER MG/L	04/09/73-08/22/90	54	4.	14.046	494.	0.5	4470.946	66.865	3.	3.	5.	8.5
00945 SULFATE, TOTAL (MG/L AS SO4)	10/24/88-08/22/90	15	6.	6.733	17.	4.	12.638	3.555	4.	4.	8.	14.
00951 FLUORIDE, TOTAL (MG/L AS F)	10/24/88-08/22/90	17 ##	0.05	0.064	0.12	0.025	0.001	0.028	0.045	0.05	0.095	0.112
00955 SILICA, DISSOLVED (MG/L AS SI02)	05/24/89-08/22/90	13	11.3	12.362	17.1	8.5	8.343	2.888	8.9	9.9	14.9	16.98

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01002	ARSENIC, TOTAL (UG/L AS AS)	11/06/78-10/24/89	2 ##	1.75	1.75	2.5	1.	1.125	1.061	**	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	10/24/89-10/24/89	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	10/24/89-10/24/89	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/06/74-10/24/89	4 ##	5.	4.125	5.	1.5	3.063	1.75	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/24/89-10/24/89	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/24/89-10/24/89	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/17/73-10/24/89	7 ##	5.	8.571	25.	5.	55.952	7.48	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/17/73-10/24/89	7 ##	5.	7.857	25.	5.	57.143	7.559	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	10/24/89-10/24/89	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	11/06/78-10/24/89	2	1165.	1165.	1530.	800.	266450.	516.188	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	12/26/73-10/24/89	6 ##	5.	4.25	5.	1.5	1.975	1.405	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	10/24/89-10/24/89	1	12.	12.	12.	12.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/24/89-10/24/89	1	965.	965.	965.	965.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	11/06/78-10/24/89	2	395.	395.	480.	310.	14450.	120.208	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/17/73-11/06/78	5 ##	50.	41.	50.	5.	405.	20.125	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	10/24/89-10/24/89	1 ##	25.	25.	25.	25.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	10/24/89-10/24/89	1	14.	14.	14.	14.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/17/73-10/24/89	20 ##	10.	23.5	160.	5.	1684.474	41.042	5.	5.	20.	111.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	10/24/89-10/24/89	1	47.	47.	47.	47.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	10/24/89-10/24/89	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	10/24/89-10/24/89	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	10/24/89-10/24/89	1	23700.	23700.	23700.	23700.	0.	0.	**	**	**	**
31506	COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/08/87-10/08/87	1	950.	950.	950.	950.	0.	0.	**	**	**	**
31506	LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/08/87-10/08/87	1	2.978	2.978	2.978	2.978	0.	0.	**	**	**	**
31506	GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.			950.									
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-03/29/89	48 ##	50.	125.833	800.	50.	34182.27	184.884	50.	50.	100.	500.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-03/29/89	48 ##	1.699	1.888	2.903	1.699	0.123	0.351	1.699	1.699	2.	2.699
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			77.345									
34480	THALLIUM DRY WGBTOMG/KG	10/24/89-10/24/89	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MGL)	07/03/74-08/10/87	2	0.1	0.1	0.2	0.	0.02	0.141	**	**	**	**
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	04/09/73-05/22/79	37 ##	0.05	0.057	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/09/73-05/22/79	38 ##	0.05	0.033	0.1	0.005	0.001	0.023	0.005	0.01	0.05	0.05
71900	MERCURY, TOTAL (UG/L AS HG)	05/17/73-10/24/89	7 ##	0.25	0.336	0.8	0.15	0.056	0.236	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	10/24/89-10/24/89	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0058

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	28	1	0.04	10	0	0.00	12	1	0.08	6	0	0.00		
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	69	2	0.03	26	2	0.08	26	0	0.00	17	0	0.00		
00400	PH	Fresh Chronic	9.	68	1	0.01	26	0	0.00	25	1	0.04	17	0	0.00		
00403	PH, LAB	Other-Lo Lim.	6.5	68	7	0.10	26	4	0.15	25	1	0.04	17	2	0.12		
		Fresh Chronic	9.	29	0	0.00	11	0	0.00	12	0	0.00	6	0	0.00		
		Other-Lo Lim.	6.5	29	12	0.41	11	2	0.18	12	10	0.83	6	0	0.00		
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	64	0	0.00	25	0	0.00	24	0	0.00	15	0	0.00		
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	51	0	0.00	21	0	0.00	18	0	0.00	12	0	0.00		
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	11	0	0.00	3	0	0.00	5	0	0.00	3	0	0.00		
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	54	0	0.00	19	0	0.00	20	0	0.00	15	0	0.00		
		Drinking Water	250.	54	1	0.02	19	0	0.00	20	1	0.05	15	0	0.00		
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	15	0	0.00	4	0	0.00	7	0	0.00	4	0	0.00		
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	17	0	0.00	5	0	0.00	8	0	0.00	4	0	0.00		
01002	ARSENIC, TOTAL	Fresh Acute	360.	2	0	0.00				2	0	0.00					
		Drinking Water	50.	2	0	0.00				2	0	0.00					
01027	CADMIUM, TOTAL	Fresh Acute	3.9	1 &	0	0.00				1	0	0.00					
		Drinking Water	5.	1 &	0	0.00				1	0	0.00					
01034	CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00				4	0	0.00	3	0	0.00		
01042	COPPER, TOTAL	Fresh Acute	18.	6 &	0	0.00				3	0	0.00	3	0	0.00		
		Drinking Water	1300.	7	0	0.00				4	0	0.00	3	0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0058

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01051	LEAD, TOTAL	Fresh Acute	82.	6	0	0.00			4	0	0.00	2	0	0.00			
		Drinking Water	15.	6	0	0.00			4	0	0.00	2	0	0.00			
01065	NICKEL, DISSOLVED	Fresh Acute	1400.	5	0	0.00			3	0	0.00	2	0	0.00			
		Drinking Water	100.	5	0	0.00			3	0	0.00	2	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00			1	0	0.00						
		Drinking Water	100.	1	0	0.00			1	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	120.	20	2	0.10	6	1	0.17	9	1	0.11	5	0	0.00		
		Drinking Water	5000.	20	0	0.00	6	0	0.00	9	0	0.00	5	0	0.00		
01147	SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00			1	0	0.00						
		Drinking Water	50.	1	0	0.00			1	0	0.00						
31506	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00								
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	48	7	0.15	17	4	0.24	20	3	0.15	11	0	0.00		
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	2	1	0.50	2	1	0.50								
71900	MERCURY, TOTAL	Fresh Acute	2.4	7	0	0.00			4	0	0.00	3	0	0.00			
		Drinking Water	2.	7	0	0.00			4	0	0.00	3	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1973 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	9	17.8	16.856	26.7	2.8	52.598	7.252	2.8	11.65	21.95	26.7
00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	9	8.4	8.4	10.4	6.4	1.74	1.319	6.4	7.4	9.5	10.4
00400	PH (STANDARD UNITS)	04/09/73-08/22/90	9	6.9	6.922	7.5	6.5	0.089	0.299	6.5	6.7	7.1	7.5
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	9	6.9	6.842	7.5	6.5	0.097	0.311	6.5	6.7	7.1	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	9	0.126	0.144	0.316	0.032	0.007	0.086	0.032	0.082	0.2	0.316

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1974 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	10	20.55	17.89	23.9	5.6	39.472	6.283	6.04	12.925	22.925	23.84
00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	10	5.9	6.81	11.	4.6	5.179	2.276	4.61	5.225	8.15	10.94
00400	PH (STANDARD UNITS)	04/09/73-08/22/90	10	6.75	6.59	7.3	4.6	0.532	0.729	4.8	6.6	6.85	7.27
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	10	6.747	5.574	7.3	4.6	1.678	1.295	4.8	6.6	6.85	7.27
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	10	0.179	2.665	25.119	0.05	62.25	7.89	0.055	0.144	0.251	22.632

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	4	20.25	17.2	27.2	1.1	132.14	11.495	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	4	6.8	8.125	12.6	6.3	8.983	2.997	**	**	**	**
00400	PH (STANDARD UNITS)	04/09/73-08/22/90	4	6.9	6.925	7.1	6.8	0.022	0.15	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	4	6.889	6.906	7.1	6.8	0.023	0.152	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	4	0.129	0.124	0.158	0.079	0.002	0.041	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	6	12.75	12.483	22.2	1.1	76.598	8.752	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	5	6.8	8.72	13.8	6.	12.372	3.517	**	**	**	**
00400	PH (STANDARD UNITS)	04/09/73-08/22/90	6	7.1	7.05	7.4	6.5	0.095	0.308	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	6	7.089	6.944	7.4	6.5	0.108	0.329	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	6	0.082	0.114	0.316	0.04	0.01	0.102	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	4	6.3	9.075	23.	0.7	102.276	10.113	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	4	7.45	7.575	11.1	4.3	11.103	3.332	**	**	**	**
00400	PH (STANDARD UNITS)	04/09/73-08/22/90	4	6.95	6.925	7.	6.8	0.009	0.096	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	4	6.947	6.917	7.	6.8	0.009	0.096	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	4	0.113	0.121	0.158	0.1	0.001	0.028	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	5	13.	15.6	28.	10.5	53.175	7.292	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	5	7.4	7.3	9.7	5.7	2.335	1.528	**	**	**	**
00400	PH (STANDARD UNITS)	04/09/73-08/22/90	5	6.8	6.8	7.3	6.4	0.105	0.324	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	5	6.8	6.715	7.3	6.4	0.114	0.338	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	5	0.158	0.193	0.398	0.05	0.016	0.127	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	3	11.	12.167	21.5	4.	77.583	8.808	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	3	10.	10.133	12.5	7.9	5.303	2.303	**	**	**	**
00400	PH (STANDARD UNITS)	04/09/73-08/22/90	3	6.7	6.667	7.	6.3	0.123	0.351	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	3	6.7	6.574	7.	6.3	0.136	0.369	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	3	0.2	0.267	0.501	0.1	0.044	0.209	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	5	22.7	17.96	27.3	4.5	95.548	9.775	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	5	4.3	6.12	12.2	3.1	13.667	3.697	**	**	**	**
00400	PH (STANDARD UNITS)	04/09/73-08/22/90	5	6.9	6.886	7.4	6.3	0.152	0.39	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	5	6.9	6.74	7.4	6.3	0.179	0.423	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	5	0.126	0.182	0.501	0.04	0.033	0.182	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	9	10.7	14.478	28.4	1.3	103.004	10.149	1.3	5.1	24.45	28.4
00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	9	6.1	7.4	11.9	4.9	7.065	2.658	4.9	5.45	10.	11.9
00400	PH (STANDARD UNITS)	04/09/73-08/22/90	9	6.9	7.367	9.4	6.6	0.983	0.991	6.6	6.6	8.	9.4
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	9	6.9	6.914	9.4	6.6	1.213	1.102	6.6	6.6	8.	9.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	9	0.126	0.122	0.251	0.	0.011	0.107	0.	0.021	0.251	0.251

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1989 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	9	21.3	19.767	27.8	5.	65.22	8.076	5.	13.55	27.7	27.8
00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	9	6.6	6.833	11.5	4.1	6.24	2.498	4.1	4.6	8.8	11.5
00400	PH (STANDARD UNITS)	04/09/73-08/22/90	9	7.4	7.389	8.	6.8	0.136	0.369	6.8	7.1	7.65	8.
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	9	7.4	7.258	8.	6.8	0.155	0.394	6.8	7.1	7.65	8.
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	9	0.04	0.055	0.158	0.01	0.002	0.046	0.01	0.024	0.079	0.158

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1990 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	6	13.4	13.983	25.9	0.8	129.654	11.387	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	6	8.95	9.017	13.	5.5	13.854	3.722	**	**	**	**
00400	PH (STANDARD UNITS)	04/09/73-08/22/90	4	7.1	7.075	7.9	6.2	0.543	0.737	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	4	7.004	6.677	7.9	6.2	0.754	0.868	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	4	0.099	0.21	0.631	0.013	0.083	0.287	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	26	22.45	22.038	28.4	2.6	29.248	5.408	16.7	19.65	26.175	27.86
00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	26	5.6	5.738	8.4	3.1	1.658	1.288	4.07	4.85	6.4	7.86
00310	BOD, 5 DAY, 20 DEG C MG/L	07/17/74-08/22/90	13	2.	1.654	4.	0.5	1.099	1.049	0.5	0.75	2.	3.6
00400	PH (STANDARD UNITS)	04/09/73-08/22/90	26	6.9	6.89	7.5	6.2	0.123	0.35	6.37	6.6	7.125	7.43
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	26	6.9	6.757	7.5	6.2	0.141	0.375	6.37	6.6	7.125	7.43
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	26	0.126	0.175	0.631	0.032	0.022	0.148	0.037	0.075	0.251	0.429
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/09/73-08/22/90	25 ##	0.05	0.056	0.1	0.02	0.	0.018	0.046	0.05	0.06	0.094
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/09/73-08/22/90	25 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/09/73-08/22/90	21	0.07	0.157	1.5	0.01	0.099	0.315	0.02	0.04	0.165	0.232
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/09/73-08/22/90	25	0.5	0.484	0.9	0.2	0.025	0.157	0.3	0.4	0.5	0.8
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/20/77-08/22/90	11	28.	30.091	42.	16.	59.291	7.7	17.6	26.	35.	42.
00940	CHLORIDE,TOTAL IN WATER MG/L	04/09/73-08/22/90	19	3.	6.395	50.	0.5	116.572	10.797	2.	3.	5.	10.
01092	ZINC, TOTAL (UG/L AS ZN)	05/17/73-10/24/89	6	10.	35.833	160.	5.	3724.167	61.026	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/09/73-03/29/89	17 ##	50.	202.353	800.	50.	76594.118	276.756	50.	50.	300.	792.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/09/73-03/29/89	17 ##	1.699	1.998	2.903	1.699	0.232	0.482	1.699	1.699	2.349	2.899
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/09/73-03/29/89	17 ##	99.547	GEOMETRIC MEAN =								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	04/09/73-05/22/79	13 ##	0.05	0.054	0.1	0.05	0.	0.014	0.05	0.05	0.05	0.08
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/09/73-05/22/79	14 ##	0.05	0.036	0.1	0.005	0.001	0.027	0.005	0.01	0.05	0.075

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	27	7.2	7.356	16.1	0.7	20.222	4.497	1.04	4.	10.7	12.8
00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	26	10.7	10.235	13.8	7.	4.439	2.107	7.14	8.3	12.1	12.72
00310	BOD, 5 DAY, 20 DEG C MG/L	07/17/74-08/22/90	11	2.	1.909	3.	1.	0.491	0.701	1.	1.	2.	3.
00400	PH (STANDARD UNITS)	04/09/73-08/22/90	25	7.	7.236	9.4	6.3	0.461	0.679	6.7	6.8	7.4	8.24
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	25	7.	6.956	9.4	6.3	0.543	0.737	6.7	6.8	7.4	8.24
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	25	0.1	0.111	0.501	0.	0.011	0.105	0.007	0.04	0.158	0.2
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/09/73-08/22/90	25 ##	0.05	0.062	0.2	0.02	0.002	0.046	0.02	0.045	0.055	0.14
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/09/73-08/22/90	24 ##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/09/73-08/22/90	18	0.11	0.118	0.28	0.02	0.005	0.072	0.025	0.058	0.17	0.226
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/09/73-08/22/90	25	0.5	0.464	0.8	0.2	0.026	0.16	0.26	0.3	0.6	0.7
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/20/77-08/22/90	12	16.	18.25	26.	14.	14.932	3.864	14.	16.	21.5	25.1
00940	CHLORIDE,TOTAL IN WATER MG/L	04/09/73-08/22/90	20	4.	29.25	494.	3.	11970.197	109.408	3.	4.	5.75	10.7
01092	ZINC, TOTAL (UG/L AS ZN)	05/17/73-10/24/89	9 ##	10.	25.	120.	5.	1362.5	36.912	5.	5.	27.5	120.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/09/73-03/29/89	20 ##	50.	95.	500.	50.	11289.474	106.252	50.	50.	100.	200.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/09/73-03/29/89	20 ##	1.699	1.854	2.699	1.699	0.08	0.282	1.699	1.699	2.	2.301
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	04/09/73-03/29/89	20 ##	71.504	GEOMETRIC MEAN =								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	04/09/73-05/22/79	13 ##	0.05	0.062	0.1	0.05	0.	0.022	0.05	0.05	0.075	0.1
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/09/73-05/22/79	13 ##	0.02	0.027	0.05	0.005	0.	0.021	0.005	0.008	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	04/09/73-08/22/90	17	21.5	19.729	27.7	2.2	43.653	6.607	9.32	15.	23.6	27.7
00300	OXYGEN, DISSOLVED MG/L	04/09/73-08/22/90	17	6.6	6.735	10.4	4.6	3.287	1.813	4.6	5.3	8.25	9.84
00310	BOD, 5 DAY, 20 DEG C MG/L	07/17/74-08/22/90	6	1.5	1.583	3.	0.5	0.842	0.917	**	**	**	**
00400	PH (STANDARD UNITS)	04/09/73-08/22/90	17	6.8	6.788	7.5	4.6	0.395	0.628	6.12	6.65	7.1	7.34
00400	CONVERTED PH (STANDARD UNITS)	04/09/73-08/22/90	17	6.8	5.793	7.5	4.6	1.448	1.203	6.12	6.65	7.1	7.34
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	04/09/73-08/22/90	17	0.158	1.612	25.119	0.032	36.701	6.058	0.046	0.079	0.225	5.277
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	04/09/73-08/22/90	15 ##	0.05	0.085	0.2	0.05	0.003	0.052	0.05	0.05	0.1	0.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0058

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	04/09/73-08/22/90	15 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	04/09/73-08/22/90	12	0.115	0.112	0.22	0.02	0.004	0.062	0.023	0.058	0.155	0.211
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	04/09/73-08/22/90	15	0.5	0.54	1.4	0.2	0.091	0.302	0.2	0.4	0.7	1.04
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/20/77-08/22/90	7	24.	26.714	40.	20.	42.571	6.525	**	**	**	**
00940	CHLORIDE,TOTAL IN WATER MG/L	04/09/73-08/22/90	15	3.	3.467	6.	2.	0.981	0.99	2.6	3.	4.	5.4
01092	ZINC, TOTAL (UG/L AS ZN)	05/17/73-10/24/89	5 ##	5.	6.	10.	5.	5.	2.236	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-03/29/89	11 ##	50.	63.636	100.	50.	545.455	23.355	50.	50.	100.	100.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	04/09/73-03/29/89	11 ##	1.699	1.781	2.	1.699	0.02	0.141	1.699	1.699	2.	2.
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	60.404								
70505	PHOSPHATE,TOTAL,COLORIMETRIC MÉTHOD (MG/L AS P)	04/09/73-05/22/79	11 ##	0.05	0.055	0.1	0.05	0.	0.015	0.05	0.05	0.05	0.09
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	04/09/73-05/22/79	11 ##	0.05	0.034	0.05	0.005	0.	0.022	0.005	0.005	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0059

NPS Station ID: FRSP0059
 Location: VA 654 BR NEAR HOLLYCORNER VA
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: RAPPAHANNOCK RIVER
 Minor Basin: HORSEPEN RUN HORSEPEN RUN
 RF1 Index: 02080104042
 RF3 Index:
 Description:
 PRE-IMPOUNDMENT STUDY IN RAPPAHAN-NOCK RIVER BASIN IN THE VICINITY OF THE PROPOSED SALEM CHURCH LAKE. REQUESTED BY ARMY CORPS OF ENGINEERS

LAT/LON: 38.353337/ -77.584727

Agency: 1113VABD
 FIPS State/County: 51179 VIRGINIA/STAFFORD
 STORET Station ID(s): R 2 /SALEM CHURCH/HORSEPEN
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 16.870
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0059

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0060

NPS Station ID: FRSP0060	LAT/LON: 38.214615/ -77.590948		Date Created: 02/13/99
Location: STREAM AT EXIT FROM WETLAND @ SPOTSYLVANIA CRTHS			
Station Type: /TYP/A/MBNT/STREAM			
RMI-Indexes:			
RMI-Miles:			
HUC: 02080105	Depth of Water: 0	Aquifer:	
Major Basin: NORTH ATLANTIC	Elevation: 0	Water Body Id:	
Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST		ECO Region:	
RF1 Index: 02080105	RF1 Mile Point: 0.000	Distance from RF1: 0.00	On/Off RF1:
RF3 Index:	RF3 Mile Point: 0.00	Distance from RF3: 0.00	On/Off RF3:
Description:			
THE STATION IS LOCATED ON THE SPOTSYLVANIA; VA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS AT AN UNNAMED STREAM AT THE EXIT POINT OF A WETLAND AT SPOTSYLVANIA COURTHOUSE INSIDE OF FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STREAM WAS SAMPLED AS PART OF A THESIS TO STUDY THE MECHANISMS OF PHOSPHORUS RETENTION IN WETLANDS. DATA ARE FROM A GEORGE MASON UNIVERSITY MASTER'S THESIS ENTITLED "PHOSPHORUS CONCENTRATIONS IN SURFACE; SUBSURFACE; AND GROUNDWATER OF SIX VIRGINIA PIEDMONT AND COASTAL PLAIN WETLANDS" BY REBECCA M. MARTIN (1996). FOR MORE INFORMATION ABOUT THE PARK CONTACT FRSP'S CHIEF OF NATURAL RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-373-4461). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).			

Parameter Inventory for Station: FRSP0060

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	26	43.5	42.308	67.	24.	133.982	11.575	26.8	31.75	50.	57.3
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	25	11.1	11.544	19.1	6.7	11.499	3.391	7.52	9.	13.5	17.34
00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	26	6.6	6.45	6.9	4.2	0.259	0.509	6.11	6.3	6.7	6.8
00403	CONVERTED PH, LAB, STANDARD UNITS	11/19/93-11/18/94	26	6.6	5.561	6.9	4.2	1.082	1.04	6.11	6.3	6.7	6.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/93-11/18/94	26	0.251	2.749	63.096	0.126	151.547	12.31	0.158	0.2	0.501	0.819
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	25	0.03	0.028	0.068	0.003	0.	0.016	0.007	0.015	0.037	0.049
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	25	0.01	0.011	0.027	0.001	0.	0.005	0.006	0.008	0.014	0.02
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	26	0.007	0.007	0.013	0.002	0.	0.003	0.003	0.004	0.009	0.01

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0060

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard		Exceed	Obs	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB																
	Fresh Chronic	9.	26	0	0.00	8	0	0.00	12	0	0.00	6	0	0.00	n/a	n/a	n/a
	Other-Lo Lim.	6.5	26	11	0.42	8	3	0.38	12	6	0.50	6	2	0.33			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0061

NPS Station ID: FRSP0061	LAT/LON: 38.213309/ -77.591588	Agency: 11NPSWRD	Date Created: 02/13/99
Location: STREAM ENTRANCE TO WETLAND AT SPOTSYLVANIA CRTHS	FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA		
Station Type: /TYP/A/MBNT/STREAM	STORET Station ID(s): FRSP_GMU_SC2		
RMI-Indexes:	Within Park Boundary: Yes		
RMI-Miles:			
HUC: 02080105	Depth of Water: 0	Aquifer:	
Major Basin: NORTH ATLANTIC	Elevation: 0	Water Body Id:	
Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST		ECO Region:	
RF1 Index: 02080105	RF1 Mile Point: 0.000	Distance from RF1: 0.00	On/Off RF1:
RF3 Index:	RF3 Mile Point: 0.00	Distance from RF3: 0.00	On/Off RF3:
Description:			
THE STATION IS LOCATED ON THE SPOTSYLVANIA; VA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS AT AN UNNAMED STREAM AT THE ENTRANCE POINT OF A WETLAND AT SPOTSYLVANIA COURTHOUSE INSIDE OF FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STREAM WAS SAMPLED AS PART OF A THESIS TO STUDY THE MECHANISMS OF PHOSPHORUS RETENTION IN WETLANDS. DATA ARE FROM A GEORGE MASON UNIVERSITY MASTER'S THESIS ENTITLED "PHOSPHORUS CONCENTRATIONS IN SURFACE; SUBSURFACE; AND GROUNDWATER OF SIX VIRGINIA PIEDMONT AND COASTAL PLAIN WETLANDS" BY REBECCA M. MARTIN (1996). FOR MORE INFORMATION ABOUT THE PARK CONTACT FRSP'S CHIEF OF NATURAL RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-373-4461). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).			

Parameter Inventory for Station: FRSP0061

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	26	42.5	41.654	65.	25.	118.475	10.885	27.1	32.25	49.25	55.2
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	26	11.75	12.231	18.7	7.1	9.935	3.152	8.1	9.95	14.875	17.18
00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	26	6.6	6.531	7.	5.6	0.082	0.287	6.17	6.4	6.7	6.83
00403	CONVERTED PH, LAB, STANDARD UNITS	11/19/93-11/18/94	26	6.6	6.407	7.	5.6	0.098	0.313	6.17	6.4	6.7	6.83
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/93-11/18/94	26	0.251	0.392	2.512	0.1	0.215	0.464	0.149	0.2	0.398	0.68
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	25	0.03	0.025	0.045	0.005	0.	0.013	0.007	0.014	0.036	0.041
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	25	0.011	0.012	0.029	0.005	0.	0.006	0.006	0.008	0.016	0.022
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	26	0.007	0.008	0.029	0.002	0.	0.006	0.003	0.005	0.008	0.015

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0061

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
			Obs	Standard		Exceed	Obs	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
00403	PH, LAB																	
		Fresh Chronic	9.	26	0	0.00	8	0	0.00	12	0	0.00	6	0	0.00	6	0	0.00
		Other-Lo Lim.	6.5	26	10	0.38	8	3	0.38	12	6	0.50	6	1	0.17			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0062

NPS Station ID: FRSP0062
 Location: UNNAMED TRIBUTARY TO THE NI RIVER
 Station Type: /TYP/A/AMBNT/STREAM

RMI-Indexes:
 RMI-Miles:

HUC: 02080105 Depth of Water: 0
 Major Basin: NORTH ATLANTIC Elevation: 0
 Minor Basin: RAPPAHANNOCK AND YORK RIVERS-VA COAST
 RF1 Index: 02080105 RF1 Mile Point: 0.000
 RF3 Index: RF3 Mile Point: 0.00

Description:
 THE STATION IS LOCATED ON THE SPOTSYLVANIA; VIRGINIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 10 IS AT AN UNNAMED TRIBUTARY TO THE NI RIVER AT THE SPOTSYLVANIA COURT HOUSE BATTLEFIELD INSIDE OF THE FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STUDY WAS CONDUCTED BY THE NATIONAL PARK SERVICE; BEGINNING IN 1993; TO MONITOR WATER QUALITY AT SIX PERENNIAL STREAMS IN THE AREA OF THE PARK. THESE STREAMS WERE CHOSEN TO BE THE MOST LIKELY TO BE IMPACTED BY URBAN AND AGRICULTURAL POLLUTION. IN 1995 FOUR ADDITIONAL WATER QUALITY MONITORING STATIONS; SEVEN THROUGH TEN; WERE ADDED TO THE PROGRAM. DATA ARE FROM THE DBASE FILE WATERAQU.DBF CREATED BY FRSP. FOR MORE INFORMATION CONTACT FRSP'S CHIEF OF RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-371-0802). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER QUALITY DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3556).

Agency: 11NPSWRD
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): FRSP_NPS_10
 Within Park Boundary: Yes

Date Created: 10/10/98

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0062

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	10/23/95-12/04/95	2	12.2	12.2	14.1	10.3	7.22	2.687	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	10/23/95-12/04/95	2	1.	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	10/23/95-12/04/95	2	68.5	68.5	91.	46.	1012.5	31.82	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	10/23/95-12/04/95	2	10.7	10.7	11.4	10.	0.98	0.99	**	**	**	**
00406	PH, FIELD, STANDARD UNITS SU	10/23/95-12/04/95	2	6.32	6.32	6.52	6.12	0.08	0.283	**	**	**	**
00406	CONVERTED PH, FIELD, STANDARD UNITS	10/23/95-12/04/95	2	6.275	6.275	6.52	6.12	0.084	0.29	**	**	**	**
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/23/95-12/04/95	2	0.53	0.53	0.759	0.302	0.104	0.323	**	**	**	**
61272	INVALID PARAMETER	10/23/95-12/04/95	2	0.65	0.65	1.1	0.2	0.405	0.636	**	**	**	**
61277	INVALID PARAMETER	10/23/95-12/04/95	2	0.23	0.23	0.26	0.2	0.002	0.042	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	10/23/95-12/04/95	2	34.5	34.5	46.	23.	264.5	16.263	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0062

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00				2	0	0.00						
00406	PH, FIELD	Fresh Chronic	9.	2	0	0.00				2	0	0.00						
		Other-Lo Lim.	6.5	2	1	0.50				2	1	0.50						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0063

NPS Station ID: FRSP0063

Location: NI RIVER RESERVOIR - STATION #1 100' FROM DAM

Station Type: /TYP/A MBNT/LAKE

RMI-Indexes:

RMI-Miles:

HUC: 02080105

Major Basin: 02-NORTH ATLANTIC

Minor Basin: 8-YORK

RF1 Index: 02080105

RF3 Index:

Description:

VIRGINIA STATE WATER CONTROL BOARD
RIVER: NI RIVER

SECTION: 03D

LAT/LON: 38.248615/ -77.594726

Agency: 21VASWCB

FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA

STORET Station ID(s): 8-NIR012.99

Within Park Boundary: No

Date Created: 07/06/91

Depth of Water: 0

Elevation: 0

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1:

On/Off RF3:

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

AMBIENT MONITORING

BASIN: 8 YORK

REGION: 3 NORTHERN

TOPO MAP #: 0024

TOPO MAP NAME: SPOTSYLVANIA, VA

Parameter Inventory for Station: FRSP0063

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/96-08/20/96	1	27.3	27.3	27.3	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/20/96-08/20/96	1	3.8	3.8	3.8	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/20/96-08/20/96	1	1.	1.	1.	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/20/96-08/20/96	1	55.	55.	55.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/96-08/20/96	1	52.	52.	52.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/20/96-08/20/96	1	8.7	8.7	8.7	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/20/96-08/20/96	1	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	08/20/96-08/20/96	1	18.	18.	18.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/20/96-08/20/96	1	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/20/96-08/20/96	1	8.2	8.2	8.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/96-08/20/96	1	0.006	0.006	0.006	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/20/96-08/20/96	1	6.9	6.9	6.9	6.9	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/20/96-08/20/96	1	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/96-08/20/96	1	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/20/96-08/20/96	1	15.	15.	15.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/20/96-08/20/96	1	54.	54.	54.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/20/96-08/20/96	1	27.	27.	27.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	08/20/96-08/20/96	1	27.	27.	27.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/96-08/20/96	1	3.	3.	3.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/20/96-08/20/96	1##	1.5	1.5	1.5	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/20/96-08/20/96	1##	1.5	1.5	1.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/96-08/20/96	1##	0.02	0.02	0.02	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	1	0.04	0.04	0.04	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/96-08/20/96	1	0.5	0.5	0.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/96-08/20/96	1	0.03	0.03	0.03	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/96-08/20/96	1	7.9	7.9	7.9	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/20/96-08/20/96	1	14.	14.	14.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/20/96-08/20/96	1##	2.5	2.5	2.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/20/96-08/20/96	1##	2.5	2.5	2.5	0.	0.	**	**	**	**
01000	ARSENIC, DISSOLVED (UG/L AS AS)	08/20/96-08/20/96	1##	5.	5.	5.	0.	0.	**	**	**	**
01005	BARIUM, DISSOLVED (UG/L AS BA)	08/20/96-08/20/96	1	11.	11.	11.	0.	0.	**	**	**	**
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	08/20/96-08/20/96	1##	2.5	2.5	2.5	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01025	CADMIUM, DISSOLVED (UG/L AS CD)	08/20/96-08/20/96	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	08/20/96-08/20/96	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01040	COPPER, DISSOLVED (UG/L AS CU)	08/20/96-08/20/96	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	08/20/96-08/20/96	1	190.	190.	190.	190.	0.	0.	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	08/20/96-08/20/96	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	08/20/96-08/20/96	1	130.	130.	130.	130.	0.	0.	**	**	**	**
01057	THALLIUM, DISSOLVED (UG/L AS TL)	08/20/96-08/20/96	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	08/20/96-08/20/96	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	08/20/96-08/20/96	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	08/20/96-08/20/96	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	08/20/96-08/20/96	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-08/20/96	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-08/20/96	1##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	50.								
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	08/20/96-08/20/96	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	08/20/96-08/20/96	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
38451	DICHLORPROP WATER,SUSPUG/L	08/20/96-08/20/96	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
38745	2,4-DB WATER, TOTUG/L	08/20/96-08/20/96	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	08/26/91-08/20/96	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39310	P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	08/20/96-08/20/96	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX & METABS),SEDIMENTS,DRY WGT,UG/KG	08/26/91-08/20/96	1##	25.	25.	25.	25.	0.	0.	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	08/26/91-08/20/96	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS (UG/KILOGRAM DRY SOL.)	08/26/91-08/20/96	1##	500.	500.	500.	500.	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	08/26/91-08/20/96	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	08/26/91-08/20/96	1##	250.	250.	250.	250.	0.	0.	**	**	**	**
39560	DEMETON IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	08/20/96-08/20/96	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL,ORTHOPHOSPHATE (MG/L AS P)	08/20/96-08/20/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
71890	MERCURY, DISSOLVED (UG/L AS HG)	08/20/96-08/20/96	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	08/26/91-08/20/96	1##	50.	50.	50.	50.	0.	0.	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0063

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	08/26/91-08/20/96	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
81281	KEPONE(C10CL10O) WHOLE WATER SAMPLE UG/L	08/20/96-08/20/96	1 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	08/20/96-08/20/96	1	1740.	1740.	1740.	1740.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0063

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a	
						Obs	Exceed Prop.	Obs	Exceed Prop.	Obs	Exceed Prop.	Obs	Exceed Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00				
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00				
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00				
00403	PH, LAB	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00				
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00				
00403	PH, LAB	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00				
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00				
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00				
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00				
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00				
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00	1	0	0.00				
01005	BARIUM, DISSOLVED	Drinking Water	50.	1	0	0.00	1	0	0.00				
01010	BERYLLIUM, DISSOLVED	Fresh Acute	2000.	1	0	0.00	1	0	0.00				
01025	CADMIUM, DISSOLVED	Drinking Water	130.	1	0	0.00	1	0	0.00				
01030	CHROMIUM, DISSOLVED	Fresh Acute	4.	1	0	0.00	1	0	0.00				
01040	COPPER, DISSOLVED	Fresh Acute	3.9	0 &	0	0.00							
01049	LEAD, DISSOLVED	Drinking Water	5.	0 &	0	0.00							
01057	THALLIUM, DISSOLVED	Fresh Acute	100.	1	0	0.00	1	0	0.00				
01065	NICKEL, DISSOLVED	Drinking Water	1400.	1	0	0.00	1	0	0.00				
01090	ZINC, DISSOLVED	Fresh Acute	82.	1	0	0.00	1	0	0.00				
01095	ANTIMONY, DISSOLVED	Drinking Water	15.	1	0	0.00	1	0	0.00				
01145	SELENIUM, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00				
01145	SELENIUM, DISSOLVED	Drinking Water	2.	0 &	0	0.00							
01145	SELENIUM, DISSOLVED	Fresh Acute	1400.	1	0	0.00	1	0	0.00				
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Drinking Water	100.	1	0	0.00	1	0	0.00				
34356	ENDOSUFAN, BETA, TOTAL	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00				
34361	ENDOSUFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00				
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLING	Fresh Acute	0.22	1	0	0.00	1	0	0.00				
39033	ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	20.	1	0	0.00	1	0	0.00				
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00				
39310	P,P'DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00				
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00				
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00				
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00				
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER	Drinking Water	0.2	1	0	0.00	1	0	0.00				
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.4	1	0	0.00	1	0	0.00				
39390	ENDRIN IN WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00	1	0	0.00				

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0063

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00	3.	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	3.	1	0	0.00	1	0	0.00									
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00	0.4	1	0.00	1	0	0.00	1	0	0.00
		Drinking Water	0.4	1	0	0.00	1	0	0.00									
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00	0.2	1	0.00	1	0	0.00	1	0	0.00
		Drinking Water	0.2	1	0	0.00	1	0	0.00									
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00	50.	1	0.00	1	0	0.00	1	0	0.00
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00									
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	1	0	0.00	1	0	0.00	2.	1	0.00	1	0	0.00	1	0	0.00
		Drinking Water	2.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0064

Parameter Inventory for Station: FRSP0064

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0065

NPS Station ID: FRSP0065
 Location: RT. 208 BRIDGE
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080105
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 8-YORK
 RF1 Index: 02080105
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: PO RIVER SECTION: 03

LAT/LON: 38.171116/ -77.595838

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 21VASWCB
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): 8-POR008.97
 Within Park Boundary: No

Date Created: 08/18/90

AMBIENT MONITORING BASIN: 8 YORK REGION: 3 NORTHERN VIRGINIA
 TOPO MAP #: 0024 TOPO MAP NAME: SPOTSYLVANIA, VA

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0065

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	91	15.9	14.432	30.	0.5	66.056	8.127	3.32	6.4	22.4	23.82
00070	TURBIDITY, (JACKSON CANDLE UNITS)	07/29/87-03/17/92	31	7.9	9.255	37.	2.9	45.307	6.731	3.84	5.6	9.4	19.22
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/14/94-12/17/98	36	7.8	9.658	49.	3.	65.604	8.1	3.4	4.75	11.875	17.68
00080	COLOR (PLATINUM-COBALT UNITS)	01/22/92-02/24/93	12	91.	97.833	146.	65.	422.333	20.551	70.4	86.5	110.75	137.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	84	56.	58.381	87.	37.	97.757	9.887	46.5	51.	65.	73.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	70	54.	54.229	75.	30.	86.556	9.304	43.	47.	61.	68.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/22/92-12/17/98	63	8.3	8.762	13.1	4.5	5.496	2.344	5.74	7.	11.	11.96
00300	OXYGEN, DISSOLVED MG/L	07/29/87-08/22/90	28	8.1	8.907	13.5	4.9	6.506	2.551	6.29	6.925	11.6	12.81
00310	BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	88	1.	1.208	4.	0.5	0.403	0.635	0.5	1.	1.6	2.
00340	COD, 25N K2CR2O7 MG/L	07/29/87-12/17/98	84	17.	17.036	31.	6.	34.71	5.891	10.	12.25	21.	25.
00400	PH (STANDARD UNITS)	07/29/87-12/17/98	88	7.05	7.078	8.7	6.3	0.144	0.38	6.69	6.8	7.3	7.5
00400	CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	88	7.047	6.951	8.7	6.3	0.161	0.401	6.69	6.8	7.3	7.5
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	88	0.09	0.112	0.501	0.002	0.007	0.084	0.032	0.05	0.158	0.205
00403	PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	90	6.7	6.647	7.6	6.	0.084	0.29	6.3	6.4	6.9	7.
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	90	6.7	6.559	7.6	6.	0.092	0.303	6.3	6.4	6.9	7.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	90	0.2	0.276	1.	0.025	0.032	0.179	0.1	0.126	0.398	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	89	16.	16.787	121.	2.	166.92	12.92	8.	10.	21.	25.
00500	RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	77	61.	63.442	120.	39.	199.566	14.127	49.	54.5	70.	78.2
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	77	22.	21.909	40.	4.	44.531	6.673	12.8	18.	26.	30.2
00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	77	40.	41.545	87.	16.	134.541	11.599	29.8	34.	48.	54.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	89	2.5	5.517	65.	0.	111.821	10.575	1.5	1.5	4.5	11.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	90##	1.5	2.606	35.	0.	23.919	4.891	1.	1.5	2.125	3.9
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	89##	1.5	3.927	50.	0.	57.776	7.601	0.5	1.5	3.	9.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	89##	0.02	0.035	0.21	0.02	0.001	0.026	0.02	0.02	0.05	0.06
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	90##	0.005	0.008	0.04	0.005	0.	0.007	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	90	0.08	0.094	0.28	0.02	0.003	0.054	0.02	0.058	0.13	0.16
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	90	0.4	0.401	0.9	0.1	0.023	0.153	0.2	0.3	0.5	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	90##	0.075	0.076	0.2	0.05	0.001	0.028	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/29/87-03/17/92	31	0.02	0.021	0.06	0.01	0.	0.011	0.01	0.01	0.03	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/87-09/03/96	68	6.15	7.237	48.	1.1	30.262	5.501	3.89	5.125	8.175	10.01
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	84	17.	17.417	34.	6.	28.415	5.331	11.	14.	20.	26.
00915	CALCIUM, DISSOLVED (MG/L AS CA)	12/17/98-12/17/98	1	2.7	2.7	2.7	2.7	0.	0.	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	12/17/98-12/17/98	1	1.6	1.6	1.6	1.6	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0065

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940 CHLORIDE,TOTAL IN WATER MG/L	10/24/88-12/17/98	78	3.	2.795	5.	1.	0.49	0.7	2.	2.5	3.	4.
00945 SULFATE, TOTAL (MG/L AS SO4)	10/24/88-12/17/98	78	3.	4.006	10.	1.	4.088	2.022	2.	2.5	5.	7.
00951 FLUORIDE, TOTAL (MG/L AS F)	10/24/88-04/21/93	28 ##	0.05	0.068	0.25	0.015	0.002	0.048	0.05	0.05	0.05	0.15
00955 SILICA, DISSOLVED (MG/L AS SI02)	05/24/89-01/20/93	21	15.1	14.962	19.1	11.3	3.466	1.862	12.5	13.4	16.05	17.5
01000 ARSENIC, DISSOLVED (UG/L AS AS)	12/17/98-12/17/98	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	10/24/89-07/14/94	3 ##	5.	4.167	5.	2.5	2.083	1.443	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)	03/24/93-03/24/93	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01025 CADMIUM, DISSOLVED (UG/L AS CD)	12/17/98-12/17/98	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	10/24/89-07/14/94	3 ##	1.5	2.667	5.	1.5	4.083	2.021	**	**	**	**
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	12/17/98-12/17/98	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	10/24/89-07/14/94	3 ##	25.	18.333	25.	5.	133.333	11.547	**	**	**	**
01040 COPPER, DISSOLVED (UG/L AS CU)	12/17/98-12/17/98	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	10/24/89-07/14/94	3 ##	25.	18.333	25.	5.	133.333	11.547	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	10/24/89-07/14/94	3	1460.	1300.333	1910.	531.	494530.333	703.229	**	**	**	**
01046 IRON, DISSOLVED (UG/L AS FE)	12/17/98-12/17/98	1	256.	256.	256.	256.	0.	0.	**	**	**	**
01049 LEAD, DISSOLVED (UG/L AS PB)	12/17/98-12/17/98	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	10/24/89-07/14/94	3 ##	5.	4.167	5.	2.5	2.083	1.443	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	10/24/89-07/14/94	2	146.5	146.5	203.	90.	6384.5	79.903	**	**	**	**
01056 MANGANESE, DISSOLVED (UG/L AS MN)	12/17/98-12/17/98	1	16.	16.	16.	16.	0.	0.	**	**	**	**
01057 THALLIUM, DISSOLVED (UG/L AS TL)	12/17/98-12/17/98	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01059 THALLIUM, TOTAL (UG/L AS TL)	03/24/93-03/24/93	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	12/17/98-12/17/98	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	10/24/89-07/14/94	3 ##	25.	18.333	25.	5.	133.333	11.547	**	**	**	**
01075 SILVER, DISSOLVED (UG/L AS AG)	12/17/98-12/17/98	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01090 ZINC, DISSOLVED (UG/L AS ZN)	12/17/98-12/17/98	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	10/24/89-07/14/94	3 ##	25.	18.333	25.	5.	133.333	11.547	**	**	**	**
01095 ANTIMONY, DISSOLVED (UG/L AS SB)	12/17/98-12/17/98	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01106 ALUMINUM, DISSOLVED (UG/L AS AL)	12/17/98-12/17/98	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01145 SELENIUM, DISSOLVED (UG/L AS SE)	12/17/98-12/17/98	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	10/24/89-03/24/93	2 ##	6.25	6.25	10.	2.5	28.125	5.303	**	**	**	**
31506 COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/08/87-10/08/87	1	330.	330.	330.	330.	0.	0.	**	**	**	**
31506 LOG COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.	10/08/87-10/08/87	1	2.519	2.519	2.519	2.519	0.	0.	**	**	**	**
31506 GM COLIFORM,TOT,MPN, CONFIRMED TEST, TUBE CONFIG.												
31616 FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	72	100.	276.667	3500.	20.	356600.	597.16	50.	50.	200.	470.
31616 LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	72	2.	2.109	3.544	1.301	0.201	0.448	1.699	1.699	2.301	2.67
31616 GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C												
32240 TANNIN AND LIGNIN (MG/L)	05/20/92-02/24/93	8	0.8	1.538	7.1	0.5	5.071	2.252	**	**	**	**
34259 DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34351 ENDOSULFAN SULFATE TOTWUG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34356 ENDOSULFAN, BETA TOTWUG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34366 ENDRIN ALDEHYDE TOTWUG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34671 PCB - 1016 TOTWUG/L	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
38745 2,4-DB WATER, TOTUG/L	07/22/93-07/22/93	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39300 P,P DDT IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39310 P,P DDD IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39320 P,P DDE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39338 BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39340 GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.025	0.025	0.025	0.025	0.025	0.	0.	**	**	**
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39410 HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39492 PCB - 1322 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39500 PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39516 PCB'S IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/22/93-07/22/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/24/93-07/14/94	2	15.	15.	20.	10.	50.	7.071	**	**	**	**
70507	PHOSPHORUS,IN TOTAL,ORTHOPHOSPHATE (MG/L AS P)	05/20/92-12/17/98	59	0.02	0.025	0.08	0.005	0.	0.013	0.01	0.02	0.03	0.03
71890	MERCURY, DISSOLVED (UG/L AS HG)	12/17/98-12/17/98	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/24/89-10/24/89	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	07/22/93-07/22/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/20/92-06/22/94	22	5.9	10.632	42.	2.9	121.025	11.001	3.62	4.45	13.55	34.5

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0065

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	31	0	0.00	10	0	0.00	16	0	0.00	5	0	0.00
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	36	0	0.00	12	0	0.00	17	0	0.00	7	0	0.00
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	63	0	0.00	18	0	0.00	30	0	0.00	15	0	0.00
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	28	0	0.00	10	0	0.00	13	0	0.00	5	0	0.00
00400	PH	Fresh Chronic	9.	88	0	0.00	28	0	0.00	41	0	0.00	19	0	0.00
		Other-Lo Lim.	6.5	88	4	0.05	28	2	0.07	41	1	0.02	19	1	0.05
00403	PH, LAB	Fresh Chronic	9.	90	0	0.00	28	0	0.00	42	0	0.00	20	0	0.00
		Other-Lo Lim.	6.5	90	38	0.42	28	6	0.21	42	28	0.67	20	4	0.20
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	90	0	0.00	29	0	0.00	42	0	0.00	19	0	0.00
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	90	0	0.00	29	0	0.00	42	0	0.00	19	0	0.00
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	78	0	0.00	22	0	0.00	38	0	0.00	18	0	0.00
		Drinking Water	250.	78	0	0.00	22	0	0.00	38	0	0.00	18	0	0.00
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	78	0	0.00	22	0	0.00	38	0	0.00	18	0	0.00
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	28	0	0.00	7	0	0.00	16	0	0.00	5	0	0.00
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	1	0	0.00				1	0	0.00			
		Drinking Water	50.	1	0	0.00				1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	3	0	0.00	1	0	0.00	2	0	0.00			
01012	BERYLLIUM, TOTAL	Drinking Water	50.	3	0	0.00	1	0	0.00	2	0	0.00			
		Fresh Acute	130.	1	0	0.00				1	0	0.00			
01025	CADMIUM, DISSOLVED	Drinking Water	4.	0&	0	0.00				1	0	0.00			
		Fresh Acute	3.9	1	0	0.00				1	0	0.00			
01027	CADMIUM, TOTAL	Drinking Water	5.	1	0	0.00				1	0	0.00			
		Fresh Acute	3.9	2&	0	0.00	1	0	0.00	1	0	0.00			
01030	CHROMIUM, DISSOLVED	Drinking Water	5.	2&	0	0.00	1	0	0.00	1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00	2	0	0.00			
01040	COPPER, DISSOLVED	Fresh Acute	18.	1	0	0.00				1	0	0.00			
		Drinking Water	1300.	1	0	0.00				1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	18.	1&	0	0.00				1	0	0.00			
		Drinking Water	1300.	3	0	0.00	1	0	0.00	2	0	0.00			
01049	LEAD, DISSOLVED	Fresh Acute	82.	1	0	0.00				1	0	0.00			
01051	LEAD, TOTAL	Drinking Water	15.	1	0	0.00				1	0	0.00			
		Fresh Acute	82.	3	0	0.00	1	0	0.00	2	0	0.00			
01057	THALLIUM, DISSOLVED	Drinking Water	15.	3	0	0.00	1	0	0.00	2	0	0.00			
		Fresh Acute	1400.	1	0	0.00				1	0	0.00			
01059	THALLIUM, TOTAL	Drinking Water	2.	1	0	0.00				1	0	0.00			
		Fresh Acute	1400.	1	0	0.00				1	0	0.00			
01065	NICKEL, DISSOLVED	Drinking Water	2.	0&	0	0.00				1	0	0.00			
		Fresh Acute	1400.	1	0	0.00				1	0	0.00			
01067	NICKEL, TOTAL	Drinking Water	100.	1	0	0.00	1	0	0.00	2	0	0.00			
		Fresh Acute	1400.	3	0	0.00	1	0	0.00	2	0	0.00			
01075	SILVER, DISSOLVED	Drinking Water	100.	1	0	0.00				1	0	0.00			
		Fresh Acute	4.1	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0065

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01090 ZINC, DISSOLVED	Fresh Acute	120.	1	0	0.00				1	0	0.00						
	Drinking Water	5000.	1	0	0.00				1	0	0.00						
01092 ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	1	0	0.00	2	0	0.00						
	Drinking Water	5000.	3	0	0.00	1	0	0.00	2	0	0.00						
01095 ANTIMONY, DISSOLVED	Fresh Acute	88.	1	0	0.00				1	0	0.00						
	Drinking Water	6.	1	0	0.00				1	0	0.00						
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	1	0	0.00				1	0	0.00						
	Drinking Water	50.	1	0	0.00				1	0	0.00						
01147 SELENIUM, TOTAL	Fresh Acute	20.	2	0	0.00				2	0	0.00						
	Drinking Water	50.	2	0	0.00				2	0	0.00						
31506 COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	72	27	0.38	21	9	0.43	38	11	0.29	13		7	0.54		
34356 ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
34361 ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00	1	0	0.00									
	Drinking Water	1.	1	0	0.00	1	0	0.00									
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00									
39310 P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00									
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
	Drinking Water	0.2	1	0	0.00	1	0	0.00									
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00									
	Drinking Water	2.	1	0	0.00	1	0	0.00									
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00									
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00	1	0	0.00									
	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Drinking Water	0.4	1	0	0.00	1	0	0.00									
	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	0.2	1	0	0.00	1	0	0.00									
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
71890 MERCURY, DISSOLVED	Drinking Water	50.	1	0	0.00	1	0	0.00									
	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00						
	Drinking Water	2.	1	0	0.00				1	0	0.00						
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	22	0	0.00	6	0	0.00	9	0	0.00	7		0	0.00		

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Annual Analysis for 1987 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	5	21.6	18.2	30.	4.9	101.285	10.064	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	5	66.	65.2	75.	53.	63.7	7.981	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	5	1.	1.2	2.	1.	0.2	0.447	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/29/87-12/17/98	5	21.	19.4	26.	13.	32.3	5.683	**	**	**	**
00400	PH (STANDARD UNITS)	07/29/87-12/17/98	5	7.1	7.138	7.5	6.99	0.044	0.209	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	5	7.1	7.105	7.5	6.99	0.045	0.212	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	5	0.079	0.079	0.102	0.032	0.001	0.028	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	5	6.5	6.62	6.9	6.4	0.047	0.217	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	5	6.5	6.58	6.9	6.4	0.049	0.221	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	5	0.316	0.263	0.398	0.126	0.013	0.116	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	5	16.	17.8	29.	8.	106.2	10.305	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	5##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	5##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	5##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	5##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	5##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	5	0.06	0.061	0.09	0.025	0.001	0.024	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	5	0.5	0.5	0.7	0.3	0.04	0.2	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	5	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	5	18.	19.6	26.	14.	26.8	5.177	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	6##	50.	68.333	110.	50.	816.667	28.577	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	6##	1.699	1.806	2.041	1.699	0.028	0.167	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	64.005								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1988 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	9	19.6	15.678	25.6	0.8	76.049	8.721	0.8	8.7	23.65	25.6
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	9	55.	54.556	70.	42.	72.778	8.531	42.	47.5	60.	70.
00310	BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	8	1.	1.313	4.	0.5	1.424	1.193	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/29/87-12/17/98	9	17.	15.222	26.	6.	40.194	6.34	6.	9.	19.	26.
00400	PH (STANDARD UNITS)	07/29/87-12/17/98	9	7.1	7.322	8.7	6.3	0.647	0.804	6.3	6.3	8.05	8.7
00400	CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	9	7.1	6.891	8.7	6.3	0.856	0.925	6.3	6.3	8.05	8.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	9	0.079	0.128	0.501	0.002	0.025	0.159	0.002	0.012	0.2	0.501
00403	PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	9	6.7	6.633	6.9	6.3	0.05	0.224	6.3	6.4	6.85	6.9
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	9	6.7	6.582	6.9	6.3	0.053	0.23	6.3	6.4	6.85	6.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	9	0.2	0.262	0.501	0.126	0.019	0.137	0.126	0.142	0.398	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	9	18.	17.556	25.	8.	50.778	7.126	8.	9.	24.	25.
00500	RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	1	120.	120.	120.	120.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	1	33.	33.	33.	33.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	1	87.	87.	87.	87.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	9##	2.5	8.722	65.	0.	447.069	21.144	0.	0.5	3.25	65.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	9##	2.5	5.389	35.	0.	124.986	11.18	0.	0.5	3.25	35.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	9##	0.5	4.389	30.	0.	93.299	9.659	0.	0.5	2.5	30.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	9	0.07	0.073	0.21	0.02	0.003	0.057	0.02	0.03	0.085	0.21
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	9##	0.005	0.011	0.03	0.005	0.	0.009	0.005	0.005	0.015	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	9	0.08	0.072	0.12	0.02	0.001	0.031	0.02	0.045	0.09	0.12
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	9	0.5	0.456	0.9	0.2	0.063	0.251	0.2	0.2	0.65	0.9
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	9	0.1	0.106	0.2	0.05	0.002	0.039	0.05	0.1	0.1	0.2
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	9	22.	19.222	26.	10.	33.444	5.783	10.	14.	24.5	26.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/24/88-12/17/98	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/24/88-12/17/98	2	5.	5.	7.	3.	8.	2.828	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	4	100.	112.5	200.	50.	3958.333	62.915	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	4	2.	2.	2.301	1.699	0.06	0.246	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	100.								

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Annual Analysis for 1989 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	8	16.	14.85	25.1	2.8	64.74	8.046	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	7	50.	49.714	55.	44.	17.238	4.152	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	2	45.	45.	47.	43.	8.	2.828	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	7	1.	1.429	3.	0.5	0.869	0.932	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/29/87-12/17/98	8	19.	19.75	31.	11.	44.786	6.692	**	**	**	**
00400	PH (STANDARD UNITS)	07/29/87-12/17/98	8	7.3	7.212	7.6	6.8	0.07	0.264	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	8	7.3	7.14	7.6	6.8	0.076	0.275	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	8	0.05	0.072	0.158	0.025	0.002	0.046	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	8	6.55	6.55	7.	6.	0.094	0.307	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	8	6.547	6.449	7.	6.	0.106	0.325	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	8	0.284	0.355	1.	0.1	0.083	0.288	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	8	11.	12.	20.	5.	23.429	4.84	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	8	66.	67.	80.	54.	72.	8.485	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	8	27.	26.75	36.	14.	51.357	7.166	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	8	42.	40.25	48.	27.	39.357	6.274	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	8	2.	4.25	12.	1.	17.929	4.234	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	8	1.5	1.5	3.	0.5	0.786	0.886	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	8	1.5	3.	9.	0.5	11.929	3.454	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	7##	0.02	0.027	0.05	0.02	0.	0.013	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	7##	0.005	0.009	0.02	0.005	0.	0.006	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	7	0.08	0.104	0.28	0.02	0.008	0.089	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	7	0.4	0.414	0.6	0.3	0.015	0.121	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	7	0.1	0.079	0.1	0.05	0.001	0.027	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	8	14.	15.	18.	12.	6.857	2.619	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/24/88-12/17/98	8	2.5	2.75	4.	2.	0.786	0.886	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/24/88-12/17/98	8	4.5	4.875	9.	2.	5.839	2.416	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/29/87-12/17/98	2	100.	100.	100.	100.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/29/87-12/17/98	2	2.	2.	2.	2.	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	100.								

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Annual Analysis for 1990 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	6	12.65	12.817	24.1	0.5	114.006	10.677	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	6	51.5	53.333	69.	41.	100.267	10.013	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	6	1.	1.333	2.	1.	0.267	0.516	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/29/87-12/17/98	6	15.	16.	30.	10.	54.4	7.376	**	**	**	**
00400	PH (STANDARD UNITS)	07/29/87-12/17/98	3	7.4	7.4	7.5	7.3	0.01	0.1	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	3	7.4	7.392	7.5	7.3	0.01	0.1	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	3	0.04	0.041	0.05	0.032	0.	0.009	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	6	6.55	6.533	6.9	6.2	0.067	0.258	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	6	6.547	6.472	6.9	6.2	0.071	0.267	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	6	0.284	0.337	0.631	0.126	0.037	0.192	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	5	14.	14.8	21.	8.	24.7	4.97	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	6	50.	51.167	59.	45.	28.967	5.382	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	6	15.	16.	23.	11.	19.2	4.382	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	6	34.	35.167	40.	33.	7.767	2.787	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	5	3.	3.1	5.	0.5	2.8	1.673	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	6	3.5	7.917	32.	0.5	141.442	11.893	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	5##	0.5	0.8	2.	0.5	0.45	0.671	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	6##	0.02	0.025	0.05	0.02	0.	0.012	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	6##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	6	0.14	0.133	0.2	0.06	0.003	0.059	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	6	0.3	0.333	0.4	0.3	0.003	0.052	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	6	0.1	0.083	0.1	0.05	0.001	0.026	**	**	**	**

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Annual Analysis for 1990 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	6	16.	16.667	24.	10.	25.067	5.007	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/24/88-12/17/98	6	2.	2.333	3.	2.	0.267	0.516	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	10/24/88-12/17/98	6	3.5	3.667	6.	2.	1.867	1.366	**	**	**	**

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Annual Analysis for 1991 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	1##	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	1	0.13	0.13	0.13	0.13	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	1	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	1	220.	220.	220.	220.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	1	2.342	2.342	2.342	2.342	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		220.									

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Annual Analysis for 1992 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	11	9.6	12.6	24.7	1.3	65.264	8.079	1.94	6.4	20.3	23.94
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	11	61.	63.909	79.	55.	72.691	8.526	55.2	57.	72.	78.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	10	55.5	57.5	70.	48.	41.833	6.468	48.4	53.5	63.	69.3
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/22/92-12/17/98	11	8.3	8.818	11.2	5.3	3.688	1.92	5.62	7.7	10.8	11.18
00310	BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	10	1.	0.95	1.	0.5	0.025	0.158	0.55	1.	1.	1.
00340	COD, 25N K2CR207 MG/L	07/29/87-12/17/98	10	21.	19.5	29.	8.	55.167	7.427	8.	11.75	25.25	28.7
00400	PH (STANDARD UNITS)	07/29/87-12/17/98	11	7.	7.045	7.8	6.5	0.135	0.367	6.54	6.7	7.3	7.7
00400	CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	11	7.	6.923	7.8	6.5	0.151	0.389	6.54	6.7	7.3	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	11	0.1	0.119	0.316	0.016	0.008	0.089	0.023	0.05	0.2	0.293
00403	PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	10	6.9	6.94	7.6	6.6	0.103	0.32	6.6	6.675	7.2	7.56
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	10	6.9	6.852	7.6	6.6	0.111	0.333	6.6	6.675	7.2	7.56
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	10	0.126	0.14	0.251	0.025	0.007	0.081	0.029	0.063	0.212	0.251
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	10	15.	15.1	25.	7.	29.433	5.425	7.3	10.75	18.75	24.6
00500	RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	10	68.	64.2	74.	50.	69.067	8.311	50.4	56.25	71.25	73.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	10	22.	21.	28.	4.	50.	7.071	5.2	19.	27.	27.9
00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	10	47.	43.2	51.	33.	53.511	7.315	33.	33.75	48.5	50.9
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	10	2.5	2.75	5.	1.	2.236	1.495	1.05	1.5	4.25	5.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	10	1.	1.35	4.	0.	1.058	1.029	0.1	1.	1.5	3.75
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	10	1.5	1.85	4.	1.	0.947	0.973	1.	1.	2.25	3.9
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	10##	0.02	0.026	0.04	0.	0.	0.01	0.02	0.02	0.04	0.04
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	10##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	10	0.07	0.076	0.14	0.02	0.001	0.037	0.023	0.05	0.105	0.138
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	10	0.4	0.4	0.6	0.2	0.018	0.133	0.2	0.275	0.5	0.59
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	10	0.1	0.085	0.1	0.05	0.001	0.024	0.05	0.05	0.1	0.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	10	20.	21.6	31.	14.	29.378	5.42	14.2	16.75	26.	30.5
00940	CHLORIDE, TOTAL IN WATER MG/L	10/24/88-12/17/98	10	3.	3.	4.	2.	0.667	0.816	2.	2.	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/24/88-12/17/98	10	4.	5.	10.	2.	7.778	2.789	2.	2.75	7.5	9.9
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	8	75.	355.	2200.	20.	559800.	748.198	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	8	1.849	2.034	3.342	1.301	0.385	0.621	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =		108.138									
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/92-12/17/98	7	0.03	0.024	0.03	0.01	0.	0.008	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1993 - Station FRSP0065

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	11	16.8	14.491	23.5	2.4	72.619	8.522	2.56	4.	22.6	23.34
00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	11	55.	61.545	87.	46.	173.273	13.163	46.8	51.	70.	85.2
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	11	55.	55.636	75.	39.	106.055	10.298	40.2	47.	61.	73.4
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/22/92-12/17/98	11	7.8	8.718	12.5	4.7	7.05	2.655	5.02	6.4	11.7	12.4
00310 BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	11	1.	1.273	3.	1.	0.418	0.647	1.	1.	1.	2.8
00340 COD, .25N K2CR2O7 MG/L	07/29/87-12/17/98	11	14.	15.	22.	10.	15.	3.873	10.	12.	18.	21.4
00400 PH (STANDARD UNITS)	07/29/87-12/17/98	11	6.9	6.909	7.7	6.5	0.111	0.333	6.52	6.7	7.1	7.58
00400 CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	11	6.9	6.818	7.7	6.5	0.12	0.346	6.52	6.7	7.1	7.58
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	11	0.126	0.152	0.316	0.02	0.008	0.088	0.032	0.079	0.2	0.303
00403 PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	11	6.7	6.736	7.4	6.3	0.143	0.378	6.32	6.4	6.9	7.38
00403 CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	11	6.7	6.613	7.4	6.3	0.159	0.399	6.32	6.4	6.9	7.38
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	11	0.2	0.244	0.501	0.04	0.027	0.163	0.042	0.126	0.398	0.481
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	11	21.	24.636	121.	3.	1090.255	33.019	3.4	8.	23.	102.
00500 RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	11	57.	61.909	93.	40.	206.491	14.37	42.4	53.	70.	90.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	11	23.	20.727	26.	8.	28.818	5.368	9.4	17.	24.	25.8
00510 RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	11	38.	41.182	68.	23.	167.364	12.937	24.2	31.	49.	65.4
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	11##	1.5	6.091	27.	1.5	58.141	7.625	1.5	1.5	7.	23.6
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	11##	1.5	2.182	6.	1.5	1.814	1.347	1.5	1.5	2.	5.4
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	11##	1.5	4.727	21.	1.5	33.268	5.768	1.5	1.5	5.	18.2
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	11##	0.02	0.037	0.09	0.02	0.001	0.024	0.02	0.02	0.06	0.084
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	11##	0.005	0.009	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.026
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	11	0.1	0.093	0.14	0.02	0.001	0.038	0.028	0.06	0.12	0.14
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	11	0.4	0.373	0.6	0.2	0.012	0.11	0.22	0.3	0.4	0.58
00665 PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	11##	0.05	0.055	0.1	0.05	0.	0.015	0.05	0.05	0.05	0.09
00900 HARDNESS, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	11	16.	18.273	34.	8.	54.418	7.377	8.8	13.	24.	32.4
00940 CHLORIDE, TOTAL IN WATER MG/L	10/24/88-12/17/98	11	3.	2.818	4.	2.	0.564	0.751	2.	2.	3.	4.
00945 SULFATE, TOTAL (MG/L AS SO4)	10/24/88-12/17/98	11	4.	4.727	8.	2.	5.818	2.412	2.	3.	8.	8.
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH,44.5 C	07/29/87-12/17/98	11##	50.	154.545	500.	50.	27227.273	165.007	50.	50.	300.	480.
31616 LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	11##	1.699	1.997	2.699	1.699	0.162	0.403	1.699	1.699	2.477	2.68
31616 GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				99.415								
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/92-12/17/98	11	0.01	0.017	0.04	0.005	0.	0.011	0.006	0.01	0.02	0.038

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Annual Analysis for 1994 - Station FRSP0065

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	9	15.9	15.189	24.7	3.9	59.341	7.703	3.9	7.6	22.4	24.7
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	9	58.	58.111	74.	37.	119.611	10.937	37.	52.	67.	74.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	9	51.	49.444	63.	30.	109.528	10.466	30.	42.	58.	63.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/22/92-12/17/98	9	8.6	8.633	11.9	5.7	5.435	2.331	5.7	6.45	11.05	11.9
00310 BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	9	1.6	1.489	2.1	0.5	0.241	0.491	0.5	1.15	1.85	2.1
00340 COD, .25N K2CR2O7 MG/L	07/29/87-12/17/98	9	19.	20.556	29.	16.	21.778	4.667	16.	16.5	25.	29.
00400 PH (STANDARD UNITS)	07/29/87-12/17/98	9	6.9	7.011	7.5	6.6	0.074	0.271	6.6	6.85	7.2	7.5
00400 CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	9	6.9	6.942	7.5	6.6	0.079	0.281	6.6	6.85	7.2	7.5
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	9	0.126	0.114	0.251	0.032	0.004	0.066	0.032	0.065	0.142	0.251
00403 PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	9	6.4	6.4	6.7	6.	0.05	0.224	6.	6.25	6.6	6.7
00403 CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	9	6.4	6.348	6.7	6.	0.053	0.23	6.	6.25	6.6	6.7
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	9	0.398	0.449	1.	0.2	0.061	0.247	0.2	0.258	0.566	1.
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	9	16.	14.111	24.	2.	49.361	7.026	2.	8.5	19.	24.
00500 RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	9	70.	70.333	111.	53.	289.	17.	53.	58.	73.	111.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	9	22.	24.778	33.	20.	21.694	4.658	20.	21.5	29.5	33.
00510 RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	9	44.	45.556	78.	32.	200.028	14.143	32.	34.5	50.5	78.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	9	3.	9.444	60.	1.5	363.903	19.076	1.5	1.5	6.	60.
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	9##	1.5	2.556	10.	1.	8.09	2.844	1.	1.5	2.25	10.
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	9##	1.5	7.444	50.	1.5	256.09	16.003	1.5	1.5	4.	50.
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	8##	0.035	0.039	0.08	0.02	0.	0.022	**	**	**	**

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Annual Analysis for 1994 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	9	0.01	0.013	0.03	0.005	0.	0.011	0.005	0.005	0.025	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	9	0.07	0.086	0.24	0.02	0.005	0.068	0.02	0.04	0.11	0.24
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	9	0.4	0.411	0.6	0.3	0.009	0.093	0.3	0.35	0.45	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	9##	0.05	0.067	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	07/29/87-12/17/98	9	16.	15.	21.	6.	21.5	4.637	6.	12.	18.5	21.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/24/88-12/17/98	9	3.	2.778	4.	1.	0.694	0.833	1.	2.5	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO ₄)	10/24/88-12/17/98	9	3.	3.222	6.	1.	2.444	1.563	1.	2.	4.5	6.
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	9	200.	583.333	3500.	50.	1217500.	1103.404	50.	100.	450.	3500.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	9	2.301	2.383	3.544	1.699	0.285	0.534	1.699	2.	2.651	3.544
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	241.556							
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/92-12/17/98	9	0.02	0.027	0.08	0.01	0.	0.021	0.01	0.02	0.025	0.08

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Annual Analysis for 1995 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	7	12.5	12.729	22.2	2.9	58.439	7.645	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	7	65.	62.286	76.	52.	70.905	8.42	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	7	55.	58.286	74.	51.	71.238	8.44	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/22/92-12/17/98	7	9.1	8.886	12.	5.	6.835	2.614	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	7	1.3	1.343	2.2	0.5	0.456	0.675	**	**	**	**
00340	COD, 25N K2CR207 MG/L	07/29/87-12/17/98	7	15.	16.714	24.	10.	33.905	5.823	**	**	**	**
00400	PH (STANDARD UNITS)	07/29/87-12/17/98	7	7.2	7.186	7.4	6.9	0.038	0.195	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	7	7.2	7.148	7.4	6.9	0.04	0.199	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	7	0.063	0.071	0.126	0.04	0.001	0.033	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	7	6.7	6.643	6.9	6.3	0.076	0.276	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	7	6.7	6.567	6.9	6.3	0.083	0.288	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	7	0.2	0.271	0.501	0.126	0.029	0.171	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	07/29/87-12/17/98	7	18.	17.	27.	9.	39.333	6.272	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	7	56.	59.571	80.	51.	107.286	10.358	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	7	18.	20.857	40.	11.	86.81	9.317	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	7	39.	38.714	60.	23.	127.905	11.309	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	7	3.	3.071	5.	1.5	1.036	1.018	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	7##	1.5	1.5	1.5	0.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	7##	1.5	1.714	3.	1.5	0.321	0.567	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	7##	0.02	0.023	0.04	0.02	0.	0.008	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	7##	0.005	0.009	0.03	0.	0.	0.009	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	7	0.08	0.089	0.15	0.05	0.001	0.038	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	7	0.3	0.386	0.9	0.1	0.068	0.261	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	7##	0.05	0.057	0.1	0.05	0.	0.019	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	07/29/87-12/17/98	7	16.	16.429	26.	10.	27.952	5.287	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/24/88-12/17/98	7	3.	3.143	4.	3.	0.143	0.378	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO ₄)	10/24/88-12/17/98	7	3.	3.429	6.	1.	2.952	1.718	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	6	100.	141.667	300.	50.	8416.667	91.742	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	6	2.	2.08	2.477	1.699	0.074	0.272	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				GEOMETRIC MEAN =	120.094							
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/92-12/17/98	7	0.03	0.029	0.05	0.02	0.	0.011	**	**	**	**

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Annual Analysis for 1996 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	9	14.5	14.167	23.	3.4	67.373	8.208	3.4	6.25	22.45	23.
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	9	50.	52.667	72.	44.	83.5	9.138	44.	45.5	58.5	72.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	9	46.	48.778	65.	40.	69.944	8.363	40.	42.5	56.	65.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/22/92-12/17/98	9	8.7	9.5	13.1	6.6	6.5	2.55	6.6	7.1	12.	13.1
00310	BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	9	1.	0.778	1.	0.5	0.069	0.264	0.5	0.5	1.	1.
00340	COD, .25N K2CR2O7 MG/L	07/29/87-12/17/98	9	14.	15.556	24.	8.	27.778	5.27	8.	11.	20.	24.
00400	PH (STANDARD UNITS)	07/29/87-12/17/98	9	6.8	6.911	7.3	6.6	0.046	0.215	6.6	6.8	7.1	7.3
00400	CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	9	6.8	6.868	7.3	6.6	0.048	0.22	6.6	6.8	7.1	7.3
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	9	0.158	0.136	0.251	0.05	0.004	0.06	0.05	0.079	0.158	0.251
00403	PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	9	6.7	6.7	6.9	6.4	0.025	0.158	6.4	6.6	6.8	6.9
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	9	6.7	6.672	6.9	6.4	0.026	0.161	6.4	6.6	6.8	6.9
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	9	0.2	0.213	0.398	0.126	0.008	0.088	0.126	0.158	0.258	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	9	13.	12.778	19.	7.	16.194	4.024	7.	9.5	16.5	19.
00500	RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	9	58.	58.333	75.	39.	145.	12.042	39.	48.5	70.5	75.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	9	22.	22.222	30.	15.	25.444	5.044	15.	18.	27.	30.
00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	9	34.	36.111	55.	16.	129.111	11.363	16.	29.5	45.	55.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	9	4.	5.167	12.	1.5	16.063	4.008	1.5	1.5	8.5	12.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	9##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	9	3.	4.222	10.	1.5	11.069	3.327	1.5	1.5	7.	10.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	9	0.04	0.037	0.06	0.02	0.	0.014	0.02	0.02	0.045	0.06
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	9	0.01	0.013	0.04	0.005	0.	0.012	0.005	0.005	0.02	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	9	0.08	0.102	0.16	0.05	0.001	0.038	0.05	0.075	0.14	0.16
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	9	0.4	0.356	0.5	0.2	0.018	0.133	0.2	0.2	0.5	0.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	9##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	9	15.	15.333	20.	10.	17.75	4.213	10.	11.5	20.	20.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/24/88-12/17/98	9##	2.5	2.611	3.	2.5	0.049	0.22	2.5	2.5	2.75	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/24/88-12/17/98	9##	2.5	3.444	6.	2.5	2.09	1.446	2.5	2.5	5.	6.
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	9	100.	133.333	300.	50.	11250.	106.066	50.	50.	250.	300.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	9	2.	2.006	2.477	1.699	0.114	0.337	1.699	1.699	2.389	2.477
70507	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				101.317								
	GEOMETRIC MEAN =												
	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/92-12/17/98	9	0.03	0.026	0.03	0.02	0.	0.005	0.02	0.02	0.03	0.03

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1997 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	7	18.3	16.157	25.5	3.8	64.686	8.043	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	7	60.	60.	78.	50.	9.11	**	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	7	57.	55.286	62.	47.	24.238	4.923	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/22/92-12/17/98	7	7.9	8.671	11.9	6.8	3.186	1.785	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	7##	1.	1.214	2.	0.5	0.571	0.756	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	07/29/87-12/17/98	6	17.	16.333	19.	12.	7.867	2.805	**	**	**	**
00400	PH (STANDARD UNITS)	07/29/87-12/17/98	7	7.2	7.129	7.6	6.5	0.132	0.364	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	7	7.2	6.988	7.6	6.5	0.156	0.394	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	7	0.063	0.103	0.316	0.025	0.01	0.1	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	7	6.8	6.843	7.	6.7	0.023	0.151	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	7	6.8	6.821	7.	6.7	0.023	0.153	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	7	0.158	0.151	0.2	0.1	0.002	0.05	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	7	20.	18.	26.	10.	29.	5.385	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	7	63.	68.571	106.	54.	346.286	18.609	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	7	25.	25.857	36.	20.	28.476	5.336	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	7	40.	42.714	70.	26.	218.905	14.795	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	7	4.	10.357	48.	1.5	286.976	16.94	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	7##	1.5	2.286	7.	1.5	4.321	2.079	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	7##	1.5	8.571	41.	1.5	212.119	14.564	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	7##	0.02	0.03	0.06	0.02	0.	0.017	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1997 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	7##	0.005	0.006	0.01	0.005	0.	0.002	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	7	0.14	0.149	0.21	0.1	0.002	0.043	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	7	0.4	0.414	0.7	0.3	0.018	0.135	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	7##	0.05	0.071	0.1	0.05	0.001	0.027	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	07/29/87-12/17/98	6	17.	16.833	22.	10.	16.167	4.021	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/24/88-12/17/98	7##	2.5	2.714	4.	2.	0.405	0.636	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO ₄)	10/24/88-12/17/98	7	2.5	3.214	5.	2.	1.238	1.113	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	7	200.	321.429	1000.	50.	103214.286	321.27	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	7	2.301	2.34	3.	1.699	0.175	0.419	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			218.791								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/92-12/17/98	7	0.03	0.033	0.07	0.02	0.	0.017	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1998 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	9	12.6	13.456	23.5	2.9	72.813	8.533	2.9	5.1	22.4	23.5
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	9	56.	56.222	66.	47.	45.944	6.778	47.	49.5	63.	66.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	9	62.	57.778	70.	43.	125.444	11.2	43.	46.5	69.5	70.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/22/92-12/17/98	9	7.2	8.111	12.4	4.5	8.584	2.93	4.5	5.45	11.3	12.4
00310	BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	9##	1.	1.111	2.	1.	0.111	0.333	1.	1.	1.	2.
00340	COD, .25N K2CR2O7 MG/L	07/29/87-12/17/98	4	10.5	10.75	15.	7.	12.25	3.5	**	**	**	**
00400	PH (STANDARD UNITS)	07/29/87-12/17/98	9	6.9	6.933	7.2	6.6	0.043	0.206	6.6	6.8	7.15	7.2
00400	CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	9	6.9	6.89	7.2	6.6	0.045	0.211	6.6	6.8	7.15	7.2
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/29/87-12/17/98	9	0.126	0.129	0.251	0.063	0.004	0.061	0.063	0.071	0.158	0.251
00403	PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	9	6.4	6.444	6.6	6.3	0.008	0.088	6.3	6.4	6.5	6.6
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	9	6.4	6.437	6.6	6.3	0.008	0.089	6.3	6.4	6.5	6.6
00403	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	07/29/87-12/17/98	9	0.398	0.366	0.501	0.251	0.005	0.073	0.251	0.316	0.398	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	07/29/87-12/17/98	9	18.	18.667	27.	11.	40.25	6.344	11.	12.5	25.5	27.
00500	RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	9	61.	60.444	70.	47.	46.278	6.803	47.	56.5	65.5	70.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	9	18.	17.333	24.	10.	24.75	4.975	10.	12.	21.5	24.
00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	9	43.	43.222	51.	37.	23.444	4.842	37.	38.	47.	51.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	9##	1.5	3.389	13.	1.5	13.861	3.723	1.5	1.5	3.5	13.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	9##	1.5	1.5	1.5	1.5	0.	0.	1.5	1.5	1.5	1.5
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	9##	1.5	2.444	10.	1.5	8.028	2.833	1.5	1.5	1.5	10.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	9##	0.02	0.022	0.04	0.02	0.	0.007	0.02	0.02	0.02	0.04
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	9##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	9	0.04	0.076	0.19	0.02	0.005	0.069	0.02	0.02	0.145	0.19
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	9	0.4	0.389	0.7	0.2	0.021	0.145	0.2	0.3	0.45	0.7
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	9	0.1	0.089	0.1	0.05	0.	0.022	0.05	0.075	0.1	0.1
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	07/29/87-12/17/98	4	16.5	16.5	20.	13.	16.333	4.041	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/24/88-12/17/98	9##	2.5	2.5	2.5	2.5	0.	0.	2.5	2.5	2.5	2.5
00945	SULFATE, TOTAL (MG/L AS SO ₄)	10/24/88-12/17/98	9##	2.5	3.667	7.	2.5	3.313	1.82	2.5	2.5	5.5	7
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	9	100.	505.556	3200.	50.	1043402.778	1021.471	50.	50.	400.	3200.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	07/29/87-12/17/98	9	2.	2.231	3.505	1.699	0.358	0.598	1.699	2.588	3.505	
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			170.224								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/92-12/17/98	9	0.02	0.024	0.06	0.01	0.	0.014	0.01	0.02	0.025	0.06

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	28	22.6	22.243	30.	14.6	9.423	3.07	18.	20.9	23.95	25.51
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	25	63.	64.92	87.	50.	89.743	9.473	52.6	57.	73.	77.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	21	62.	60.762	75.	43.	76.99	8.774	46.4	57.	67.	73.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/22/92-12/17/98	18	7.05	6.706	7.9	4.5	1.052	1.026	4.95	5.875	7.45	7.9
00310	BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	27	1.	1.03	2.1	0.5	0.172	0.415	0.5	1.	1.	2.
00340	COD, 25N K2CR207 MG/L	07/29/87-12/17/98	25	17.	17.12	26.	6.	38.943	6.24	9.2	11.	24.	25.4
00400	PH (STANDARD UNITS)	07/29/87-12/17/98	28	7.05	7.046	7.6	6.5	0.083	0.287	6.68	6.8	7.3	7.4
00400	CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	28	7.047	6.955	7.6	6.5	0.091	0.302	6.68	6.8	7.3	7.4
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	28	0.09	0.111	0.316	0.025	0.006	0.077	0.04	0.05	0.158	0.211
00403	PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	28	6.8	6.764	7.4	6.3	0.061	0.247	6.4	6.625	6.9	7.02
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	28	6.8	6.699	7.4	6.3	0.065	0.255	6.4	6.625	6.9	7.02
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	28	0.158	0.2	0.501	0.04	0.013	0.114	0.096	0.126	0.238	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	27	21.	20.778	29.	8.	31.718	5.632	11.6	18.	25.	27.2
00500	RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	22	64.5	64.364	80.	47.	81.576	9.032	50.2	56.75	70.5	77.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	22	22.	22.	40.	13.	36.667	6.055	14.3	17.75	25.25	28.7
00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	22	43.	42.364	60.	23.	85.29	9.235	28.1	36.25	48.	54.7
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	28 ##	1.5	2.661	12.	0.5	5.964	2.442	0.5	1.5	4.	5.1
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	28 ##	1.5	1.607	4.	0.	0.896	0.946	0.5	1.125	1.5	3.1
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	28 ##	1.5	2.	9.	0.5	3.148	1.774	0.5	1.	2.5	4.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	28 ##	0.02	0.038	0.21	0.02	0.001	0.037	0.02	0.02	0.04	0.061
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	29 ##	0.005	0.008	0.04	0.005	0.	0.008	0.005	0.005	0.008	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	29	0.08	0.092	0.2	0.02	0.002	0.046	0.04	0.06	0.12	0.15
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	29	0.4	0.414	0.9	0.2	0.028	0.166	0.3	0.3	0.5	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	29	0.1	0.09	0.2	0.05	0.001	0.031	0.05	0.05	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/87-09/03/96	22	5.95	8.282	48.	1.1	85.151	9.228	3.52	4.5	9.275	10.17
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	25	21.	20.68	26.	10.	21.31	4.616	14.	17.5	25.	26.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/24/88-12/17/98	22	2.75	2.773	4.	2.	0.398	0.631	2.	2.375	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/24/88-12/17/98	22	2.5	2.636	4.	1.	0.838	0.915	1.3	2.	3.25	4.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/29/87-12/17/98	21	100.	193.333	500.	50.	27233.333	165.025	50.	50.	300.	500.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	07/29/87-12/17/98	21	2.	2.127	2.699	1.699	0.149	0.387	1.699	1.699	2.477	2.699
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	133.961								
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/92-12/17/98	18	0.02	0.024	0.04	0.005	0.	0.008	0.019	0.02	0.03	0.031

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	43	6.1	6.807	16.8	0.5	15.845	3.981	2.56	3.8	10.3	12.52
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	40	54.5	55.025	78.	37.	82.179	9.065	44.1	47.25	62.5	67.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	33	51.	50.667	70.	30.	87.542	9.356	39.4	43.5	56.	65.4
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/22/92-12/17/98	30	11.05	10.52	13.1	4.7	4.202	2.05	7.13	9.675	11.9	12.49
00310	BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	41	1.	1.359	4.	0.5	0.572	0.756	0.5	1.	2.	2.16
00340	COD, 25N K2CR207 MG/L	07/29/87-12/17/98	41	15.	16.415	31.	7.	42.999	6.557	8.2	12.	20.	28.4
00400	PH (STANDARD UNITS)	07/29/87-12/17/98	41	7.1	7.178	8.7	6.5	0.21	0.459	6.62	6.8	7.4	7.7
00400	CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	41	7.1	7.007	8.7	6.5	0.24	0.49	6.62	6.8	7.4	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	41	0.079	0.098	0.316	0.002	0.006	0.078	0.02	0.04	0.158	0.241
00403	PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	42	6.5	6.521	7.6	6.	0.089	0.298	6.23	6.375	6.625	6.87
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	42	6.5	6.444	7.6	6.	0.095	0.308	6.23	6.375	6.625	6.87
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	42	0.316	0.36	1.	0.025	0.041	0.202	0.136	0.238	0.424	0.592
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	42	11.	11.786	26.	2.	32.075	5.663	5.	8.	14.5	21.5
00500	RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	37	58.	63.162	120.	39.	321.751	17.937	46.6	51.5	70.	85.2
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	37	21.	21.811	36.	4.	53.88	7.34	11.8	17.5	26.5	33.2
00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	37	39.	41.378	87.	16.	190.964	13.819	28.6	34.	45.5	58.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	41	3.	8.817	65.	1.5	219.109	14.802	1.5	2.5	7.5	24.2
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	42 ##	1.5	3.762	35.	0.5	48.552	6.968	1.	1.5	2.5	6.7
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	41 ##	2.	6.256	50.	0.5	113.464	10.652	1.5	1.5	5.	18.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	42 ##	0.02	0.032	0.09	0.02	0.	0.02	0.02	0.02	0.05	0.057
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	42 ##	0.005	0.008	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.017
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	42	0.07	0.072	0.19	0.02	0.002	0.042	0.02	0.04	0.1	0.13
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	42	0.3	0.374	0.7	0.2	0.022	0.148	0.2	0.3	0.4	0.67
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	42 ##	0.05	0.07	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/87-09/03/96	29	6.2	6.655	14.	3.4	5.92	2.433	3.6	5.2	7.75	10.9
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	41	14.	14.707	34.	6.	21.462	4.633	10.	12.	17.	20.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/24/88-12/17/98	38	3.	2.921	5.	1.	0.602	0.776	2.	2.5	3.	4.
00945	SULFATE, TOTAL (MG/L AS SO4)	10/24/88-12/17/98	38	5.	5.224	10.	2.	4.118	2.029	2.5	3.75	6.25	8.1
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH,44.5 C	07/29/87-12/17/98	38	100.	280.526	3500.	20.	427426.743	653.779	50.	50.	200.	460.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH,44.5 C	07/29/87-12/17/98	38	2.	2.053	3.544	1.301	0.224	0.473	1.699	1.699	2.301	2.642
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH,44.5 C	GEOMETRIC MEAN =			112.92								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/92-12/17/98	26	0.02	0.025	0.08	0.01	0.	0.017	0.01	0.018	0.03	0.056

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0065

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/29/87-12/17/98	20	19.95	19.89	25.1	12.5	11.631	3.41	14.64	17.	22.5	23.86
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/29/87-12/17/98	19	55.	56.842	79.	46.	66.14	8.133	48.	52.	61.	69.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	02/23/89-12/17/98	16	53.5	53.	60.	46.	19.467	4.412	46.	50.25	55.	60.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	01/22/92-12/17/98	15	7.8	7.713	9.4	5.7	1.117	1.057	6.12	6.8	8.6	9.22
00310	BOD, 5 DAY, 20 DEG C MG/L	07/29/87-12/17/98	20	1.	1.14	2.	0.5	0.308	0.555	0.5	0.5	1.675	2.
00340	COD, .25N K2CR2O7 MG/L	07/29/87-12/17/98	18	18.	18.333	24.	13.	10.588	3.254	13.9	16.	21.25	23.1
00400	PH (STANDARD UNITS)	07/29/87-12/17/98	19	6.9	6.911	7.3	6.3	0.052	0.228	6.6	6.8	7.1	7.2
00400	CONVERTED PH (STANDARD UNITS)	07/29/87-12/17/98	19	6.9	6.845	7.3	6.3	0.057	0.238	6.6	6.8	7.1	7.2
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	19	0.126	0.143	0.501	0.05	0.01	0.1	0.063	0.079	0.158	0.251
00403	PH, LAB, STANDARD UNITS SU	07/29/87-12/17/98	20	6.7	6.745	7.2	6.3	0.052	0.228	6.4	6.625	6.9	7.
00403	CONVERTED PH, LAB, STANDARD UNITS	07/29/87-12/17/98	20	6.7	6.687	7.2	6.3	0.056	0.236	6.4	6.625	6.9	7.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/29/87-12/17/98	20	0.2	0.206	0.501	0.063	0.013	0.115	0.1	0.126	0.238	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	20	17.	21.9	121.	9.	555.042	23.559	13.	14.25	19.5	23.7
00500	RESIDUE, TOTAL (MG/L)	11/28/88-12/17/98	18	60.	62.889	93.	51.	108.458	10.414	52.8	55.75	70.25	75.9
00505	RESIDUE, TOTAL VOLATILE (MG/L)	11/28/88-12/17/98	18	23.	22.	31.	8.	39.647	6.297	10.7	20.	26.25	30.1
00510	RESIDUE, TOTAL FIXED (MG/L)	11/28/88-12/17/98	18	40.	40.889	68.	30.	90.34	9.505	31.8	33.	48.	50.9
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/29/87-12/17/98	20	2.	2.75	10.	0.	4.566	2.137	1.5	1.5	3.	5.8
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/29/87-12/17/98	20 ##	1.5	1.575	3.	0.	0.455	0.674	1.	1.5	1.5	2.95
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/29/87-12/17/98	20 ##	1.5	1.85	7.	0.	2.529	1.59	0.5	1.125	1.5	4.8
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/29/87-12/17/98	19	0.04	0.039	0.08	0.02	0.	0.02	0.02	0.02	0.05	0.08
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	19 ##	0.005	0.009	0.03	0.005	0.	0.008	0.005	0.005	0.01	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	07/29/87-12/17/98	19	0.14	0.143	0.28	0.06	0.003	0.058	0.08	0.09	0.17	0.24
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/29/87-12/17/98	19	0.5	0.442	0.7	0.1	0.019	0.139	0.2	0.4	0.5	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/29/87-12/17/98	19 ##	0.05	0.068	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/29/87-09/03/96	17	7.	6.876	9.6	4.6	2.348	1.532	4.84	5.55	8.1	9.28
00900	HARDNESS, TOTAL (MG/L AS CACO3)	07/29/87-12/17/98	18	18.5	19.056	31.	13.	21.938	4.684	13.9	15.5	20.5	26.5
00940	CHLORIDE, TOTAL IN WATER MG/L	10/24/88-12/17/98	18	2.5	2.556	4.	2.	0.32	0.566	2.	2.	3.	3.1
00945	SULFATE, TOTAL (MG/L AS SO4)	10/24/88-12/17/98	18	3.	3.111	8.	2.	1.928	1.389	2.	2.375	3.25	4.4
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH,44.5 C	07/29/87-12/17/98	13	200.	400.	3200.	50.	717916.667	847.3	50.	100.	250.	2080.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH,44.5 C	07/29/87-12/17/98	13	2.301	2.245	3.505	1.699	0.218	0.467	1.699	2.	2.389	3.144
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH,44.5 C	GEOMETRIC MEAN =			175.836								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/20/92-12/17/98	15	0.03	0.026	0.06	0.01	0.	0.012	0.01	0.02	0.03	0.042

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0066

NPS Station ID: FRSP0066

Location: RT. 627

Station Type: /TYP/A/MBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02080105

Major Basin: 02-NORTH ATLANTIC

Minor Basin: 8-YORK

RF1 Index: 02080105

RF3 Index:

Description:

VIRGINIA STATE WATER CONTROL BOARD
RIVER: NI RIVER

SECTION: 03D

LAT/LON: 38.244726/ -77.596948

Agency: 21VASWCB

FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA

STORET Station ID(s): 8-NIR012.62

Within Park Boundary: No

Date Created: 01/13/96

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 0.000

RF3 Mile Point: 0.00

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1:

On/Off RF3:

AMBIENT MONITORING BASIN: 8- YORK
TOPO MAP #: 0024 TOPO MAP NAME: SPOTSYLVANIA, VA

Parameter Inventory for Station: FRSP0066

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	10/05/76-10/05/76	1	8.8	8.8	8.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	10/05/76-10/05/76	1	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, 25N K2CR207 MG/L	10/05/76-10/05/76	1	16.	16.	16.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	10/05/76-10/05/76	1	6.5	6.5	6.5	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	10/05/76-10/05/76	1	6.5	6.5	6.5	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/05/76-10/05/76	1	0.316	0.316	0.316	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	10/05/76-10/05/76	1	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	10/05/76-10/05/76	1	6.4	6.4	6.4	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/05/76-10/05/76	1	0.398	0.398	0.398	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	10/05/76-10/05/76	1	27.	27.	27.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	10/05/76-10/05/76	1	108.	108.	108.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10/05/76-10/05/76	1	88.	88.	88.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	10/05/76-10/05/76	1	20.	20.	20.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10/05/76-10/05/76	1##	0.5	0.5	0.5	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10/05/76-10/05/76	1##	0.5	0.5	0.5	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10/05/76-10/05/76	1##	0.5	0.5	0.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/05/76-10/05/76	1	0.3	0.3	0.3	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/05/76-10/05/76	1##	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/05/76-10/05/76	1##	0.025	0.025	0.025	0.	0.	**	**	**	**
00625	NITROGEN, KIELDAHL, TOTAL, (MG/L AS N)	10/05/76-10/05/76	1	0.7	0.7	0.7	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10/05/76-10/05/76	1##	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	10/05/76-10/05/76	1##	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	10/05/76-10/05/76	1	9.	9.	9.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0066

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00						
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00						
00403	PH, LAB	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00						
00615	NITRITE NITROGEN, TOTAL AS N	Fresh Chronic	9.	1	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00						
		Drinking Water	1.	1	0	0.00	1	0	0.00						
		Drinking Water	10.	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0067

NPS Station ID: FRSP0067
 Location: AT RTE 610 BRIDGE
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080104
 Major Basin: RAPPAHANNOCK RIVER
 Minor Basin: RAPIDAN R RAPIDAN R VA
 RF1 Index: 02080104042
 RF3 Index:
 Description:
 PRE-IMPOUNDMENT STUDY IN RAPPAHANNOCK RIVER BASIN IN THE VICINITY OF THE PROPOSED SALEM CHURCH LAKE. REQUESTED BY ARMY CORPS OF ENGINEERS

LAT/LON: 38.332503/ -77.613060

Agency: 1113VABD
 FIPS State/County: 51047 VIRGINIA/CULPEPER
 STORET Station ID(s): R 7/RAPIDAN R
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 18.720
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0067

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0068

NPS Station ID: FRSP0068	LAT/LON: 38.246948/ -77.614170	Date Created: 07/06/91
Location: NI RIVER RESERVOIR STATION #2 MID RESERVOIR		
Station Type: /TYP/A/MBNT/LAKE		
RMI-Indexes:		
RMI-Miles:		
HUC: 02080105	Depth of Water: 0	Aquifer:
Major Basin: 02-NORTH ATLANTIC	Elevation: 0	Water Body Id:
Minor Basin: 8-YORK		ECO Region:
RF1 Index: 02080105	RF1 Mile Point: 0.000	Distance from RF1: 0.00
RF3 Index:	RF3 Mile Point: 0.00	Distance from RF3: 0.00
Description:		On/Off RF1: On/Off RF3:
VIRGINIA STATE WATER CONTROL BOARD RIVER: NI RIVER	AMBIENT MONITORING SECTION: 03D	BASIN: 8 YORK TOPO MAP #: 0024 TOPO MAP NAME: SPOTSYLVANIA, VA REGION: 3 NORTHERN

Parameter Inventory for Station: FRSP0068

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0069

NPS Station ID: FRSP0069
 Location: RT. 648
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080105
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 8-YORK
 RF1 Index: 02080105
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: PO RIVER SECTION: 03

LAT/LON: 38.177781/ -77.624171

Agency: 21VASWCB
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): 8-POR012.00
 Within Park Boundary: No

Date Created: 01/13/96

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

AMBIENT MONITORING BASIN: 8- YORK REGION: 3 NORTHERN
 TOPO MAP #: 0024 TOPO MAP NAME: SPOTSYLVANIA, VA

Parameter Inventory for Station: FRSP0069

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0070

NPS Station ID: FRSP0070

LAT/LON: 38.258892/ -77.625281

Location: NI RIVER STATION # 4 UPPER RESERVOIR SPOTSYLVAN.

Station Type: /TYP/A MBNT/LAKE

RMI-Indexes:

RMI-Miles:

HUC: 02080105

Depth of Water: 0

Major Basin: 02-NORTH ATLANTIC

Elevation: 0

Minor Basin: 8-YORK

RF1 Mile Point: 0.000

RF1 Index: 02080105

RF3 Mile Point: 0.00

RF3 Index:

Description:

VIRGINIA STATE WATER CONTROL BOARD

RIVER: NI RIVER

AMBIENT MONITORING

SECTION: 03D

BASIN: 8 YORK

REGION: 3 NORTHERN

TOPO MAP #: 0017

TOPO MAP NAME: CHANCELLORSVILLE, VA

Agency: 21VASWCB

FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA

STORET Station ID(s): 8-NIR016.09

Within Park Boundary: No

Date Created: 07/06/91

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: FRSP0070

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/96-08/20/96	1	28.1	28.1	28.1	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/20/96-08/20/96	1	4.6	4.6	4.6	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/20/96-08/20/96	1	0.9	0.9	0.9	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/20/96-08/20/96	1	56.	56.	56.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/96-08/20/96	1	53.	53.	53.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/20/96-08/20/96	1	9.5	9.5	9.5	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/20/96-08/20/96	1	2.	2.	2.	0.	0.	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	08/20/96-08/20/96	1	20.	20.	20.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/20/96-08/20/96	1	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/20/96-08/20/96	1	7.7	7.7	7.7	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/96-08/20/96	1	0.02	0.02	0.02	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/20/96-08/20/96	1	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/20/96-08/20/96	1	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/96-08/20/96	1	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/20/96-08/20/96	1	16.	16.	16.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/20/96-08/20/96	1	58.	58.	58.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/20/96-08/20/96	1	25.	25.	25.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	08/20/96-08/20/96	1	33.	33.	33.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/96-08/20/96	1	4.	4.	4.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/20/96-08/20/96	1	3.	3.	3.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/20/96-08/20/96	1##	1.5	1.5	1.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/96-08/20/96	1##	0.02	0.02	0.02	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	1##	0.02	0.02	0.02	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/96-08/20/96	1	0.6	0.6	0.6	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/96-08/20/96	1	0.04	0.04	0.04	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/96-08/20/96	1	8.3	8.3	8.3	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/20/96-08/20/96	1	16.	16.	16.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/20/96-08/20/96	1##	2.5	2.5	2.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/20/96-08/20/96	1##	2.5	2.5	2.5	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-08/20/96	1##	50.	50.	50.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-08/20/96	1##	1.699	1.699	1.699	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	50.							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0070

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/20/96-08/20/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0070

Parameter	Std. Type	Std. Value	Total	Exceed	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard		Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00								
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00								
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00								
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00								
00403	PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00								
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00								
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00								
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00								
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00								
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00								
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00								

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0071

NPS Station ID: FRSP0071
 Location: NI RIVER RESERVOIR - STATION #3 LOWER BRANCH
 Station Type: /TYP/A MBNT/LAKE
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080105
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 8-YORK
 RF1 Index: 02080105
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING
 RIVER: PINEY BRANCH (PORTION OF RESERVOIR) SECTION: 03D

LAT/LON: 38.247504/ -77.625837
 Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.000

Agency: 21VASWCB
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): 8-PNB000.05
 Within Park Boundary: No

Date Created: 07/06/91

BASIN: 8 YORK
 REGION: 3 NORTHERN
 TOPO MAP #: 0024 TOPO MAP NAME: BROCKENBURG, VA

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0071

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/96-08/20/96	1	28.2	28.2	28.2	0.	0.	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	08/20/96-08/20/96	1	4.3	4.3	4.3	0.	0.	**	**	**	**
00078	TRANSPARENCY, SECCHI DISC (METERS)	08/20/96-08/20/96	1	0.9	0.9	0.9	0.	0.	**	**	**	**
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	08/20/96-08/20/96	1	55.	55.	55.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/96-08/20/96	1	53.	53.	53.	0.	0.	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	08/20/96-08/20/96	1	8.9	8.9	8.9	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	08/20/96-08/20/96	1	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	08/20/96-08/20/96	1	20.	20.	20.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/20/96-08/20/96	1	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/20/96-08/20/96	1	7.8	7.8	7.8	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/96-08/20/96	1	0.016	0.016	0.016	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	08/20/96-08/20/96	1	7.	7.	7.	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	08/20/96-08/20/96	1	7.	7.	7.	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/96-08/20/96	1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	08/20/96-08/20/96	1	16.	16.	16.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	08/20/96-08/20/96	1	55.	55.	55.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	08/20/96-08/20/96	1	27.	27.	27.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	08/20/96-08/20/96	1	28.	28.	28.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	08/20/96-08/20/96	1	3.	3.	3.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	08/20/96-08/20/96	1##	1.5	1.5	1.5	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	08/20/96-08/20/96	1##	1.5	1.5	1.5	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	08/20/96-08/20/96	1##	0.02	0.02	0.02	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	1##	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	08/20/96-08/20/96	1##	0.02	0.02	0.02	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	08/20/96-08/20/96	1	0.5	0.5	0.5	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	08/20/96-08/20/96	1	0.03	0.03	0.03	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	08/20/96-08/20/96	1	8.	8.	8.	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/20/96-08/20/96	1	15.	15.	15.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	08/20/96-08/20/96	1##	2.5	2.5	2.5	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	08/20/96-08/20/96	1##	2.5	2.5	2.5	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-08/20/96	1##	50.	50.	50.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	08/20/96-08/20/96	1##	1.699	1.699	1.699	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	50.							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0071

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	08/20/96-08/20/96	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0071

Parameter	Std. Type	Std. Value	Total	Exceed	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard		Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	1	0	0.00	1	0	0.00									
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
00400 PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00403 PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00									
00940 CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00									
	Drinking Water	250.	1	0	0.00	1	0	0.00									
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00	1	0	0.00									
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0072

NPS Station ID: FRSP0072
 Location: RT. 608 BRIDGE
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080105
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 8-YORK
 RF1 Index: 02080105
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: PO RIVER SECTION: 03

LAT/LON: 38.204726/ -77.633893

Agency: 21VASWCB
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): 8-POR016.04
 Within Park Boundary: No

Date Created: 08/18/90

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

AMBIENT MONITORING BASIN: 8 YORK REGION: 3 NORTHERN VIRGINIA
 TOPO MAP #: 0018 TOPO MAP NAME: BROCKENBURG, VA

Parameter Inventory for Station: FRSP0072

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/03/76-06/04/79	17	17.8	15.053	28.9	0.6	88.526	9.409	1.32	4.45	24.25	26.58
00300 OXYGEN, DISSOLVED MG/L	06/03/76-06/04/79	17	8.7	8.659	12.9	5.1	4.965	2.228	5.9	7.	10.4	12.1
00400 PH (STANDARD UNITS)	06/03/76-06/04/79	17	6.74	6.749	7.3	6.3	0.086	0.294	6.38	6.5	7.	7.14
00400 CONVERTED PH (STANDARD UNITS)	06/03/76-06/04/79	17	6.74	6.662	7.3	6.3	0.094	0.307	6.38	6.5	7.	7.14
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/03/76-06/04/79	17	0.182	0.218	0.501	0.05	0.018	0.135	0.074	0.1	0.316	0.419
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/03/76-06/04/79	17 ##	0.05	0.059	0.1	0.05	0.	0.02	0.05	0.05	0.05	0.1
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	06/03/76-06/04/79	17 ##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.005	0.01
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/03/76-06/04/79	17	0.4	0.397	0.9	0.05	0.04	0.199	0.17	0.3	0.55	0.66
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	06/03/76-06/04/79	17	0.08	0.087	0.26	0.025	0.004	0.066	0.025	0.025	0.12	0.212
00935 POTASSIUM, DISSOLVED (MG/L AS K)	04/10/79-04/10/79	1	1.	1.	1.	0.	0.	0.	**	**	**	**
01002 ARSENIC, TOTAL (UG/L AS AS)	03/31/77-04/10/79	5 ##	1.	0.9	1.	0.5	0.05	0.224	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	03/31/77-04/10/79	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	03/31/77-04/10/79	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	03/31/77-04/10/79	5 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	04/10/79-04/10/79	1	800.	800.	800.	800.	0.	0.	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	03/31/77-04/10/79	5	3.	4.4	8.	2.	6.3	2.51	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	04/10/79-04/10/79	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	03/31/77-04/10/79	5 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	03/31/77-04/10/79	5	10.	16.	40.	5.	217.5	14.748	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	06/03/76-06/04/79	17 ##	50.	564.706	3500.	50.	1097113.971	1047.432	50.	50.	600.	3020.
31616 LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	06/03/76-06/04/79	17 ##	1.699	2.17	3.544	1.699	0.461	0.679	1.699	1.699	2.753	3.479
31616 GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			147.741								
70505 PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	06/03/76-06/04/79	17 ##	0.05	0.065	0.1	0.05	0.001	0.023	0.05	0.05	0.1	0.1
70507 PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/03/76-06/04/79	17	0.01	0.015	0.09	0.005	0.	0.021	0.005	0.005	0.015	0.042
71900 MERCURY, TOTAL (UG/L AS HG)	03/31/77-04/10/79	5 ##	0.15	0.555	2.2	0.025	0.852	0.923	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0072

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	17	0	0.00	3	0	0.00	8	0	0.00	6	0	0.00			
00400 PH	Fresh Chronic	9.	17	0	0.00	3	0	0.00	8	0	0.00	6	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Other-Lo Lim.	6.5	17	6	0.35	3	1	0.33	8	3	0.38	6	2	0.33			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	1.	17	0	0.00	3	0	0.00	8	0	0.00	6	0	0.00			
01002 ARSENIC, TOTAL	Drinking Water	10.	17	0	0.00	3	0	0.00	8	0	0.00	6	0	0.00			
	Fresh Acute	360.	5	0	0.00				3	0	0.00	2	0	0.00			
	Drinking Water	50.	5	0	0.00				3	0	0.00	2	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	0 &	0	0.00												
	Drinking Water	5.	0 &	0	0.00												
01034 CHROMIUM, TOTAL	Drinking Water	100.	5	0	0.00				3	0	0.00	2	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	5	0	0.00				3	0	0.00	2	0	0.00			
	Drinking Water	1300.	5	0	0.00				3	0	0.00	2	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	5	0	0.00				3	0	0.00	2	0	0.00			
	Drinking Water	15.	5	0	0.00				3	0	0.00	2	0	0.00			
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	5	0	0.00				3	0	0.00	2	0	0.00			
	Drinking Water	100.	5	0	0.00				3	0	0.00	2	0	0.00			
01092 ZINC, TOTAL	Fresh Acute	120.	5	0	0.00				3	0	0.00	2	0	0.00			
	Drinking Water	5000.	5	0	0.00				3	0	0.00	2	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	17	6	0.35	3	0	0.00	8	3	0.38	6	3	0.50			
71900 MERCURY, TOTAL	Fresh Acute	2.4	5	0	0.00				3	0	0.00	2	0	0.00			
	Drinking Water	2.	5	1	0.20				3	1	0.33	2	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0073

NPS Station ID: FRSP0073
 Location: 610 BR NEAR RICHARDSVILLE. A
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin: RAPPAHANNOCK RIVER
 Minor Basin: RAPIDAN RIVER HAZEL RUN VA
 RF1 Index: 02080103028
 RF3 Index:
 Description:
 PRE-IMPOUNDMENT STUDY IN RAPPAHAN-NOCK RIVER BASIN IN THE VICINITY OF THE PROPOSED SALEM CHURCH LAKE. REQUESTED BY ARMY CORPS OF ENGINEERS

LAT/LON: 38.352503/ -77.637782

Agency: 1113VABD
 FIPS State/County: 51047 VIRGINIA/CULPEPER
 STORET Station ID(s): R 6 /HAZLE RUN
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 1.530
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0073

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0074

NPS Station ID: FRSP0074	LAT/LON: 38.284031 / -77.646976	Agency: 11NPSWRD	Date Created: 02/13/99	
Location: STREAM AT EXIT FROM WETLAND AT CATHERINE FURNACE		FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA		
Station Type: /TYP/A/MBNT/STREAM		STORET Station ID(s): FRSP_GMU_CF1		
RMI-Indexes:		Within Park Boundary: No		
RMI-Miles:				
HUC: 02080105	Depth of Water: 0	Aquifer:		
Major Basin: NORTH ATLANTIC	Elevation: 0	Water Body Id:		
Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST		ECO Region:		
RF1 Index: 02080105	RF1 Mile Point: 0.000	Distance from RF1: 0.00	On/Off RF1:	
RF3 Index:	RF3 Mile Point: 0.00	Distance from RF3: 0.00	On/Off RF3:	
Description:				
THE STATION IS LOCATED ON THE CHANCELLORSVILLE; VA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS AT AN UNNAMED STREAM AT THE EXIT POINT OF A WETLAND AT CATHERINE FURNACE OUTSIDE OF FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STREAM WAS SAMPLED AS PART OF A THESIS TO STUDY THE MECHANISMS OF PHOSPHORUS RETENTION IN WETLANDS. DATA ARE FROM A GEORGE MASON UNIVERSITY MASTER'S THESIS ENTITLED "PHOSPHORUS CONCENTRATIONS IN SURFACE; SUBSURFACE; AND GROUNDWATER OF SIX VIRGINIA Piedmont AND COASTAL PLAIN WETLANDS" BY REBECCA M. MARTIN (1996). FOR MORE INFORMATION ABOUT THE PARK CONTACT FRSP'S CHIEF OF NATURAL RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-373-4461). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).				

Parameter Inventory for Station: FRSP0074

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	25	50.	48.88	70.	32.	119.943	10.952	33.	38.	55.	67.2
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	25	10.7	10.728	18.6	6.5	9.772	3.126	6.62	8.25	12.15	15.62
00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	25	6.4	6.416	6.9	6.	0.048	0.219	6.06	6.3	6.55	6.68
00403	CONVERTED PH, LAB, STANDARD UNITS	11/19/93-11/18/94	25	6.4	6.363	6.9	6.	0.051	0.226	6.06	6.3	6.55	6.68
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/93-11/18/94	25	0.398	0.434	1.	0.126	0.052	0.229	0.214	0.284	0.501	0.877
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	24	0.034	0.035	0.08	0.012	0.	0.016	0.018	0.023	0.04	0.061
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	24	0.009	0.01	0.023	0.003	0.	0.005	0.004	0.006	0.014	0.017
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	25	0.005	0.005	0.01	0.	0.	0.002	0.003	0.004	0.007	0.008

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0074

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
			Obs	Standard		Exceed	Obs	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
00403	PH, LAB																	
		Fresh Chronic	9.	25	0	0.00	8	0	0.00	11	0	0.00	6	0	0.00	6	0	0.00
		Other-Lo Lim.	6.5	25	19	0.76	8	3	0.38	11	10	0.91	6	6	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0075

NPS Station ID: FRSP0075
 Location: STREAM ENTRANCE TO WETLAND AT CATHERINE FURNACE
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080105 Depth of Water: 0
 Major Basin: NORTH ATLANTIC Elevation: 0
 Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST
 RF1 Index: 02080105 RF1 Mile Point: 0.000
 RF3 Index: RF3 Mile Point: 0.000

Description:
 THE STATION IS LOCATED ON THE CHANNELLORSVILLE; VA 7.5' SERIES
 ENTRANCE POINT OF A WETLAND AT CATHERINE FURNACE INSIDE OF
 MILITARY PARK (FRSP). THE STREAM WAS SAMPLED AS PART OF A THESIS TO
 STUDY THE MECHANISMS OF PHOSPHORUS RETENTION IN WETLANDS. DATA ARE FROM
 A GEORGE MASON UNIVERSITY MASTER'S THESIS ENTITLED "PHOSPHORUS
 CONCENTRATIONS IN SURFACE; SUBSURFACE; AND GROUNDWATER OF SIX VIRGINIA
 PIEDMONT AND COASTAL PLAIN WETLANDS" BY REBECCA M. MARTIN (1996). FOR MORE INFORMATION ABOUT THE PARK CONTACT FRSP'S CHIEF OF NATURAL
 RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-373-4461). DATA WERE PROCESSED AND UPLOADED TO STORET BY
 RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Agency: 11NPSWRD
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): FRSP_GMU_CF2
 Within Park Boundary: Yes

Date Created: 02/13/99

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0075

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	25	47.	47.08	70.	30.	102.91	10.144	33.2	40.	52.5	64.8
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	25	11.	11.468	19.5	7.6	10.711	3.273	7.7	8.6	13.25	16.46
00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	25	6.5	6.388	6.8	5.7	0.08	0.283	5.96	6.2	6.6	6.74
00403	CONVERTED PH, LAB, STANDARD UNITS	11/19/93-11/18/94	25	6.5	6.29	6.8	5.7	0.09	0.301	5.96	6.2	6.6	6.74
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/93-11/18/94	25	0.316	0.513	1.995	0.158	0.172	0.415	0.183	0.251	0.631	1.104
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	24	0.03	0.038	0.234	0.006	0.002	0.044	0.009	0.023	0.037	0.064
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	24	0.01	0.01	0.017	0.003	0.	0.004	0.004	0.007	0.013	0.015
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	25	0.005	0.006	0.01	0.001	0.	0.002	0.003	0.005	0.007	0.008

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0075

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard		Exceed	Obs	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB																
	Fresh Chronic	9.	25	0	0.00	8	0	0.00	11	0	0.00	6	0	0.00	6	0	0.00
	Other-Lo Lim.	6.5	25	17	0.68	8	2	0.25	11	11	1.00	6	4	0.67			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0076

NPS Station ID: FRSP0076	LAT/LON: 38.302059/ -77.649366	Agency: 11NPSWRD	Date Created: 02/13/99
Location: STREAM AT ENTRANCE TO WETLAND AT HAZEL GROVE	FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA		
Station Type: /TYP/A/MBNT/STREAM	STORET Station ID(s): FRSP_GMU_HG2		
RMI-Indexes:	Within Park Boundary: Yes		
RMI-Miles:			
HUC: 02080105	Depth of Water: 0	Aquifer:	
Major Basin: NORTH ATLANTIC	Elevation: 0	Water Body Id:	
Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST		ECO Region:	
RF1 Index: 02080105	RF1 Mile Point: 0.000	Distance from RF1: 0.00	On/Off RF1:
RF3 Index:	RF3 Mile Point: 0.00	Distance from RF3: 0.00	On/Off RF3:
Description:			
THE STATION IS LOCATED ON THE CHANCELLORSVILLE; VA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS AT AN UNNAMED STREAM AT THE ENTRANCE POINT OF A WETLAND AT HAZEL GROVE INSIDE OF FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STREAM WAS SAMPLED AS PART OF A THESIS TO STUDY THE MECHANISMS OF PHOSPHORUS RETENTION IN WETLANDS. DATA ARE FROM A GEORGE MASON UNIVERSITY MASTER'S THESIS ENTITLED "PHOSPHORUS CONCENTRATIONS IN SURFACE; SUBSURFACE; AND GROUNDWATER OF SIX VIRGINIA PIEDMONT AND COASTAL PLAIN WETLANDS" BY REBECCA M. MARTIN (1996). FOR MORE INFORMATION ABOUT THE PARK CONTACT FRSP'S CHIEF OF NATURAL RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-373-4461). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).			

Parameter Inventory for Station: FRSP0076

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/17/93-11/18/94	17	38.	42.294	77.	26.	218.096	14.768	27.6	30.5	50.5	72.2
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	12/17/93-11/18/94	17	9.6	10.724	19.4	5.9	15.182	3.896	6.38	8.1	12.65	18.04
00403	PH, LAB, STANDARD UNITS SU	12/17/93-11/18/94	17	5.8	5.888	6.7	5.3	0.139	0.372	5.38	5.6	6.2	6.38
00403	CONVERTED PH, LAB, STANDARD UNITS	12/17/93-11/18/94	17	5.8	5.756	6.7	5.3	0.157	0.396	5.38	5.6	6.2	6.38
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/17/93-11/18/94	17	1.585	1.754	5.012	0.2	1.823	1.35	0.441	0.648	2.579	4.187
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/17/93-11/18/94	17	0.013	0.019	0.041	0.004	0.004	0.013	0.005	0.009	0.032	0.04
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/17/93-11/18/94	17	0.011	0.011	0.023	0.004	0.	0.006	0.004	0.006	0.015	0.022
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	12/17/93-11/18/94	17	0.005	0.007	0.023	0.002	0.	0.006	0.003	0.004	0.009	0.018

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0076

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard		Exceed	Obs	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403	PH, LAB																
	Fresh Chronic	9.	17	0	0.00	3	0	0.00	10	0	0.00	4	0	0.00			
	Other-Lo Lim.	6.5	17	16	0.94	3	2	0.67	10	10	1.00	4	4	1.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0077

NPS Station ID: FRSP0077	LAT/LON: 38.301531/ -77.649671	Agency: 11NPSWRD	Date Created: 02/13/99
Location: STREAM AT EXIT FROM WETLAND AT HAZEL GROVE	FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA		
Station Type: /TYP/A/MBNT/STREAM	STORET Station ID(s): FRSP_GMU_HG1		
RMI-Indexes:	Within Park Boundary: Yes		
RMI-Miles:			
HUC: 02080105	Depth of Water: 0	Aquifer:	
Major Basin: NORTH ATLANTIC	Elevation: 0	Water Body Id:	
Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST	RF1 Mile Point: 0.000	ECO Region:	
RF1 Index: 02080105	RF3 Mile Point: 0.000	Distance from RF1: 0.00	On/Off RF1:
RF3 Index:		Distance from RF3: 0.00	On/Off RF3:
Description:			
THE STATION IS LOCATED ON THE CHANCELLORSVILLE; VA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE STATION WAS AT AN UNNAMED STREAM AT THE EXIT POINT OF A WETLAND AT HAZEL GROVE INSIDE OF FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STREAM WAS SAMPLED AS PART OF A THESIS TO STUDY THE MECHANISMS OF PHOSPHORUS RETENTION IN WETLANDS. DATA ARE FROM A GEORGE MASON UNIVERSITY MASTER'S THESIS ENTITLED "PHOSPHORUS CONCENTRATIONS IN SURFACE; SUBSURFACE; AND GROUNDWATER OF SIX VIRGINIA PIEDMONT AND COASTAL PLAIN WETLANDS" BY REBECCA M. MARTIN (1996). FOR MORE INFORMATION ABOUT THE PARK CONTACT FRSP'S CHIEF OF NATURAL RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-373-4461). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER RESOURCES DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).			

Parameter Inventory for Station: FRSP0077

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	11/19/93-11/18/94	22	34.5	36.455	64.	21.	123.879	11.13	23.3	29.5	42.5	57.7
00136	TEMPERATURE OF SAMPLE AT ARRIVAL TIME AT LAB	11/19/93-11/18/94	22	9.05	9.355	19.	5.	10.376	3.221	5.69	7.675	10.225	14.79
00403	PH, LAB, STANDARD UNITS SU	11/19/93-11/18/94	22	5.85	5.95	7.1	4.9	0.26	0.51	5.36	5.6	6.3	6.61
00403	CONVERTED PH, LAB, STANDARD UNITS	11/19/93-11/18/94	22	5.847	5.689	7.1	4.9	0.331	0.575	5.36	5.6	6.3	6.61
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	11/19/93-11/18/94	22	1.422	2.046	12.589	0.079	7.124	2.669	0.259	0.501	2.512	4.457
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/02/93-11/18/94	21	0.016	0.019	0.039	0.005	0.	0.011	0.007	0.011	0.03	0.037
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	12/02/93-11/18/94	21	0.009	0.01	0.023	0.004	0.	0.006	0.005	0.006	0.014	0.022
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	11/19/93-11/18/94	22	0.005	0.007	0.023	0.003	0.	0.005	0.003	0.004	0.007	0.015

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0077

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
			Obs	Standard		Exceed	Obs	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
00403	PH, LAB																	
		Fresh Chronic	9.	22	0	0.00	4	0	0.00	12	0	0.00	6	0	0.00	6	0	0.00
		Other-Lo Lim.	6.5	22	20	0.91	4	4.00	12	11	0.92	6	5	0.83				

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0078

NPS Station ID: FRSP0078

Location: NI RIVER EAST OF CHANCELLORSVILLE BATTLEFIELD

Station Type: /TYP/A/MBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02080105

Major Basin: NORTH ATLANTIC

Minor Basin: RAPPAHANNOCK AND YORK RIVERS-VA COAST

RF1 Index: 02080105

RF3 Index: RF1 Mile Point: 0.000

RF3 Mile Point: 0.000

Description:

THE STATION IS LOCATED ON THE CHANCELLORSVILLE; VIRGINIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 03 IS AT THE NI RIVER EAST OF THE CHANCELLORSVILLE BATTLEFIELD OUTSIDE OF THE FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STUDY WAS CONDUCTED BY THE NATIONAL PARK SERVICE; BEGINNING IN 1993; TO MONITOR WATER QUALITY AT SIX PERENNIAL STREAMS IN THE AREA OF THE PARK. THESE STREAMS WERE CHOSEN TO BE THE MOST LIKELY TO BE IMPACTED BY URBAN AND AGRICULTURAL POLLUTION. IN 1995 FOUR ADDITIONAL WATER QUALITY MONITORING STATIONS; SEVEN THROUGH TEN; WERE ADDED TO THE PROGRAM. DATA ARE FROM THE DBASE FILE WATERAQU.DBF CREATED BY FRSP. FOR MORE INFORMATION CONTACT FRSP'S CHIEF OF RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-371-0802). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER QUALITY DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3556).

LAT/LON: 38.288892/ -77.652781

Agency: 11NPSWRD

FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA

STORET Station ID(s): FRSP_NPS_03

Within Park Boundary: No

Date Created: 10/10/98

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1:

On/Off RF3:

Parameter Inventory for Station: FRSP0078

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/14/93-03/21/96	35	16.6	16.32	28.9	2.2	76.312	8.736	3.36	8.4	24.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-02/01/96	29	22.8	19.376	32.7	-4.	120.921	10.996	9.9	13.7	27.2
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/95-03/21/96	6	0.085	0.383	2.	0.01	0.629	0.793	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/14/93-03/21/96	35	57.	61.714	98.	37.	197.622	14.058	46.6	54.	68.
03000	OXYGEN, DISSOLVED MG/L	01/14/93-02/15/96	35	9.1	8.08	13.4	2.6	11.892	3.448	3.16	4.2	11.1
00406	PH, FIELD, STANDARD UNITS SU	01/14/93-03/21/96	36	6.57	6.575	8.98	3.11	1.292	1.137	5.152	6.293	12.26
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/14/93-03/21/96	36	6.57	4.579	8.98	3.11	5.39	2.322	5.152	6.293	8.175
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/14/93-03/21/96	36	0.269	26.378	776.247	0.001	17101.99	130.775	0.007	0.107	0.51
61272	INVALID PARAMETER	02/02/93-02/15/96	33	1.	1.467	8.	0.5	1.848	1.359	1.	1.	1.5
61277	INVALID PARAMETER	03/02/93-02/15/96	28	0.25	0.221	0.25	0.	0.005	0.071	0.09	0.25	0.25
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/14/93-03/21/96	35	29.	30.829	48.	18.	46.499	6.819	23.6	27.	34.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0078

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	35	8	0.23	9	4	0.44	18	2	0.11	8	2	0.25
00406	PH, FIELD	Fresh Chronic	9.	36	0	0.00	10	0	0.00	19	0	0.00	7	0	0.00
		Other-Lo Lim.	6.5	36	16	0.44	10	4	0.40	19	8	0.42	7	4	0.57

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0079

NPS Station ID: FRSP0079
 Location: 672 BR NEAR WARRENTON TRG CENTER
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin: RAPPAHANNOCK RIVER
 Minor Basin: MOUNTAIN RUN MT RUN AT VA
 RF1 Index: 02080103028
 RF3 Index:
 Description:
 PRE-IMPOUNDMENT STUDY IN RAPPAHAN-NOCK RIVER BASIN IN THE VICINITY OF THE PROPOSED SALEM CHURCH LAKE. REQUESTED BY ARMY CORPS OF ENGINEERS

LAT/LON: 38.359449/ -77.684170

Agency: 1113VABD
 FIPS State/County: 51047 VIRGINIA/CULPEPER
 STORET Station ID(s): SC 4 /MOUNTAIN RUN
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 6.650
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

PRE-IMPOUNDMENT STUDY IN RAPPAHAN-NOCK RIVER BASIN IN THE VICINITY OF THE PROPOSED SALEM CHURCH LAKE. REQUESTED BY ARMY CORPS OF ENGINEERS

Parameter Inventory for Station: FRSP0079

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0080

NPS Station ID: FRSP0080
 Location: RT. 610 BRIDGE
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes: 0215002 003410
 RMI-Miles: 0124.19 0006.53
 HUC: 02080103
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080103028
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3 RAPPAHANOCK REGION: 3 NORTHERN VIRGINIA
 RIVER: RAPIDAN RIVER SECTION: 04 TOPO MAP #: 0033 TOPO MAP NAME: CHANCELLORSVILLE, VA

LAT/LON: 38.359726/ -77.686115

Agency: 21VASWCB
 FIPS State/County: 51047 VIRGINIA/CULPEPER
 STORET Station ID(s): 3-RAP006.53 /VA3-04-X0022/VA3-3X0022
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 6.940
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0080

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	252	14.45	14.419	28.9	0.	70.323	8.386	3.3	6.55	22.725	25.
00023 SAMPLE WEIGHT IN POUNDS	07/16/91-07/16/91	3	22.	21.667	27.	16.	30.333	5.508	**	**	**	**
00024 SAMPLE LENGTH IN INCHES	07/16/91-07/16/91	3	702.	688.667	721.	643.	1654.333	40.673	**	**	**	**
00070 TURBIDITY, (JACKSON CANDLE UNITS)	11/03/88-04/15/92	37	6.	16.327	260.	0.7	1853.821	43.056	1.84	3.4	10.	38.
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/21/94-12/16/98	50	7.65	17.558	138.	1.8	688.76	26.244	2.41	3.675	15.25	51.8
00080 COLOR (PLATINUM-COBALT UNITS)	09/26/90-02/25/93	24	29.	47.75	257.	7.	2551.587	50.513	20.5	24.	63.5	93.
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	184	74.	197.446	14000.	7.	1391277.024	1179.524	59.5	65.	81.	91.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	104	72.	73.923	180.	49.	272.188	16.498	61.5	66.25	77.	87.
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/91-12/16/98	80	10.15	10.186	15.2	6.8	4.493	2.12	7.33	8.6	12.05	12.9
00300 OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	175	9.9	10.223	14.6	6.1	3.88	1.97	7.86	8.5	12.	13.04
00310p BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	215	1.	1.289	6.	0.5	0.753	0.868	0.5	1.	2.	2.
00340 COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	206	8.	9.262	40.	0.5	49.599	7.043	2.5	5.	11.25	17.
00400p PH (STANDARD UNITS)	09/16/74-12/16/98	248	7.3	7.285	9.	5.8	0.255	0.505	6.7	7.	7.6	7.8
00400p CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	248	7.3	6.989	9.	5.8	0.343	0.586	6.7	7.	7.6	7.8
00400p MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	248	0.05	0.103	1.585	0.001	0.031	0.176	0.016	0.025	0.1	0.2
00403 PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	135	6.8	6.784	7.9	6.1	0.087	0.295	6.4	6.5	7.	7.1
00403 CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	135	6.8	6.692	7.9	6.1	0.096	0.309	6.4	6.5	7.	7.1
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/19/86-12/16/98	135	0.158	0.203	0.794	0.013	0.019	0.136	0.079	0.1	0.316	0.398
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	03/19/86-12/16/98	135	19.	20.659	158.	7.	161.51	12.709	14.	17.	23.	26.
00480 SALINITY - PARTS PER THOUSAND	02/27/91-02/27/91	1	13.	13.	13.	13.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	114	60.	70.719	390.	21.	1649.885	40.619	47.	53.	72.25	102.
00505 RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	113	18.	25.673	600.	5.	3068.936	55.398	10.	14.5	25.	36.6
00510 RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	114	42.	49.702	333.	2.	1302.441	36.089	29.5	37.	52.25	74.5
00515 RESIDUE, TOTAL FILTRABLE (DRIED AT 105C),MG/L	05/21/98-05/21/98	1	59.	59.	59.	59.	0.	0.	**	**	**	**
00530p RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	218	4.5	22.47	600.	0.5	4305.938	65.62	1.5	2.5	12.25	49.7
00535p RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	218	2.5	4.888	200.	0.	226.546	15.051	1.	1.5	4.	8.
00540p RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	218	2.5	18.147	484.	0.	2738.518	52.331	1.	1.5	9.25	40.6
00545 RESIDUE, SETTLEABLE (ML/L)	03/28/83-03/28/83	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
00610p NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	255 ##	0.05	0.066	2.	0.005	0.02	0.141	0.02	0.02	0.05	0.1
00615p NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	255 ##	0.005	0.013	0.63	0.005	0.002	0.041	0.005	0.005	0.01	0.02
00620p NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	226	0.56	0.548	1.63	0.005	0.081	0.285	0.147	0.348	0.73	0.903
00625p NITROGEN, KIEDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	252	0.3	0.316	1.7	0.05	0.053	0.229	0.1	0.2	0.4	0.6
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	10/27/76-06/04/79	29	0.7	0.662	1.8	0.025	0.203	0.45	0.025	0.26	0.9	1.2

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	203 ##	0.05	0.09	0.5	0.05	0.005	0.07	0.05	0.05	0.1	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	133	0.02	0.038	0.33	0.005	0.003	0.051	0.01	0.015	0.04	0.066
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	183	3.3	4.236	22.	0.	9.149	3.025	1.8	2.4	5.	7.
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	08/06/87-12/16/98	123	24.	25.228	60.	4.	36.03	6.002	20.	22.	27.	30.
00927	MAGNESIUM, TOTAL (MG/L AS MG)	11/13/78-11/13/79	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	04/10/79-04/10/79	1	0.9	0.9	0.9	0.9	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	110	4.	4.027	9.	2.	1.866	1.366	2.5	3.	5.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/03/88-12/16/98	108	5.	5.315	60.	2.5	30.049	5.482	3.	4.	6.	6.1
00951	FLUORIDE, TOTAL (MG/L AS F)	11/03/88-02/25/93	45 ##	0.05	0.089	0.56	0.025	0.007	0.085	0.05	0.05	0.115	0.15
00955	SILICA, DISSOLVED (MG/L AS SiO2)	05/25/89-12/29/92	43	11.3	11.021	16.1	4.9	6.267	2.503	6.88	9.5	12.6	14.24
01000	ARSENIC, DISSOLVED (UG/L AS AS)	05/20/97-05/21/98	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	10/22/75-07/21/94	16 ##	1.	1.656	5.	0.5	3.024	1.739	0.5	0.5	2.25	5.
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	06/16/80-04/26/95	9	6.3	9.306	28.	0.85	67.197	8.197	0.85	4.	13.1	28.
01004	ARSENIC TOTAL IN FISH OR ANIMAL WET WT MG/KG	07/16/91-07/16/91	3	0.01	0.023	0.05	0.01	0.001	0.023	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	07/18/83-03/25/93	3 ##	5.	3.5	5.	0.5	6.75	2.598	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/16/83-04/26/95	5 ##	1.	1.39	2.1	0.85	0.368	0.607	**	**	**	**
01025	CADMIUIM, DISSOLVED (UG/L AS CD)	05/20/97-05/21/98	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01027	CADMUIM, TOTAL (UG/L AS CD)	05/27/75-07/21/94	17 ##	5.	3.529	5.	0.5	4.296	2.073	0.5	1.	5.	5.
01028	CADMUIM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-04/26/95	9 ##	0.1	0.602	4.	0.08	1.645	1.283	0.08	0.093	0.425	4.
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-04/26/95	9	28.	25.478	31.2	15.1	33.207	5.763	15.1	20.5	30.45	31.2
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	05/20/97-05/21/98	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/27/75-07/21/94	17 ##	5.	6.912	25.	0.5	54.039	7.351	0.5	3.	7.5	25.
01040	COPPER, DISSOLVED (UG/L AS CU)	05/20/97-05/21/98	2	0.55	0.55	0.6	0.5	0.005	0.071	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/27/75-07/21/94	17 ##	5.	7.647	25.	5.	44.118	6.642	5.	5.	5.	25.
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	06/16/80-04/26/95	9	24.	22.211	31.2	6.3	52.929	7.275	6.3	19.1	27.25	31.2
01045	IRON, TOTAL (UG/L AS FE)	11/13/78-07/21/94	7	400.	1022.857	2786.	270.	928709.143	963.696	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	05/20/97-05/21/98	2	116.5	116.5	150.	83.	2244.5	47.376	**	**	**	**
01049	LEAD, DISSOLVED (UG/L AS PB)	05/20/97-05/21/98	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/27/75-07/21/94	17 ##	4.	6.382	38.	1.	80.454	8.97	1.	1.25	6.	18.8
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	06/16/80-04/26/95	9	16.6	17.989	26.1	12.	21.839	4.673	12.	14.5	22.4	26.1
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	10/21/91-04/26/95	1	490.	490.	490.	490.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	04/10/79-07/21/94	5	30.	41.4	72.	20.	534.8	23.126	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	05/20/97-05/21/98	2	9.5	9.5	10.3	8.7	1.28	1.131	**	**	**	**
01057	THALLIUM, DISSOLVED (UG/L AS TL)	05/21/98-05/21/98	1 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	07/18/83-03/25/93	3 ##	5.	5.167	10.	0.5	22.583	4.752	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	05/27/75-05/21/98	9 ##	50.	33.933	50.	0.2	582.73	24.14	0.2	2.6	50.	50.
01067	NICKEL, TOTAL (UG/L AS NI)	10/29/79-07/21/94	10 ##	5.	21.	80.	5.	654.444	25.582	5.	5.	31.25	77.
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	06/16/80-04/26/95	9	14.2	13.267	16.6	3.7	14.458	3.802	3.7	13.	15.3	16.6
01069	NICKEL, TOTAL IN FISH OR ANIMALS-WET WEIGHT MG/KG	07/16/91-07/16/91	3	2.1	1.867	2.7	0.8	0.943	0.971	**	**	**	**
01073	THALLIUM, TISSUE,WET WEIGHT, MG/KG	07/16/91-07/16/91	3 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
01075	SILVER, DISSOLVED (UG/L AS AG)	05/20/97-05/21/98	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01090	ZINC, DISSOLVED (UG/L AS ZN)	05/20/97-05/21/98	2	2.5	2.5	4.	1.	4.5	2.121	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/27/75-07/21/94	16 ##	7.5	13.75	40.	5.	128.333	11.328	5.	5.	23.75	33.
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	06/16/80-04/26/95	9	103.	97.156	191.4	22.6	2171.358	46.598	22.6	65.	113.5	191.4
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	05/20/97-05/21/98	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	05/20/97-05/21/98	2	7.	7.	9.	5.	8.	2.828	**	**	**	**
01145	SELENIUM, DISSOLVED (UG/L AS SE)	05/20/97-05/21/98	2 ##	0.225	0.225	0.25	0.2	0.001	0.035	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	07/18/83-07/21/94	5 ##	10.	6.6	10.	0.5	22.175	4.709	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/16/83-04/26/95	6 ##	6.05	5.158	10.	0.85	12.864	3.587	**	**	**	**
01149	SELENIUM, TOTAL IN FISH OR ANIMALS WET WGT MG/KG	07/16/91-07/16/91	3	0.26	0.24	0.36	0.1	0.017	0.131	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	220	100.	785.909	8000.	9.	3355057.955	1831.682	50.	50.	375.	2290.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	220	2.	2.214	3.903	0.954	0.454	0.674	1.699	1.699	2.571	3.36
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				163.78								
32240	TANNIN AND LIGNIN (MG/L)	05/14/92-09/29/92	2	0.35	0.35	0.5	0.2	0.045	0.212	**	**	**	**
34252	BERYLLIUM WET WTITISM/GKG	07/16/91-07/16/91	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	07/10/85-07/29/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	07/10/85-07/29/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	07/10/85-07/29/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	07/10/85-07/29/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	07/10/85-07/29/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
34480	THALLIUM DRY WGTBOTMG/KG	05/16/83-04/26/95	6 ##	3.7	3.05	5.	0.85	2.894	1.701	**	**	**	**
34671	PCB - 1016 TOTWUG/L	07/10/85-07/29/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
38442	DICAMBA (BANVEL) WATER,DISSUG/L	07/10/85-07/09/86	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
38451	DICHLORPROP WATER,SUSPUG/L	07/10/85-07/09/86	2 ##	0.1	0.1	0.1	0.	0.	0.029	**	**	**	**
38745	2,4-DB WATER, TOTUG/L	07/10/85-07/29/93	3 ##	0.1	0.117	0.15	0.1	0.001	0.027	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/27/79-07/29/93	7	0.	0.021	0.05	0.	0.001	0.027	**	**	**	**
39061	PCP (PENTACHLOROPHENOL) IN BOT DEPOS DRY SOL UG/KG	06/24/85-04/26/95	5 ##	0.005	10.003	25.	0.005	187.425	13.69	**	**	**	**
39062	CHLORDANE-CIS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39065	CHLORDANE-TRNS ISOMER,WHOLE WATER SAMPL (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39068	CHLORDANE-NONACHLOR,CIS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39071	CHLORDANE-NONACHLOR,TPANS ISO,WHOLE WTR (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39305	O,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39315	O,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39327	ORTHO PARA DDE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	10	0.	0.011	0.05	0.	0.	0.021	0.	0.	0.016	0.05
39333	ALDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	04/29/81-04/26/95	3	0.	0.007	0.02	0.	0.	0.012	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-07/29/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	07/10/85-07/29/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	07/10/85-07/29/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39351	CHLORDANE(TECH MIX&METABS),SEDIMENTS,DRY WGT,UG/KG	06/24/85-04/26/95	5 ##	0.5	100.3	250.	0.5	18675.075	136.657	**	**	**	**
39363	DDD IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	5 ##	0.05	10.04	50.	0.05	499.001	22.338	**	**	**	**
39368	DDE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	5 ##	0.05	20.03	50.	0.05	748.501	27.359	**	**	**	**
39373	DDT IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	5 ##	0.05	20.03	50.	0.05	748.501	27.359	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	7	0.	0.015	0.05	0.	0.001	0.024	**	**	**	**
39383	DIELDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-04/26/95	5 ##	0.05	20.03	50.	0.05	748.501	27.359	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	7	0.	0.018	0.05	0.	0.001	0.024	**	**	**	**
39393	ENDRIN IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	5 ##	0.05	20.03	50.	0.05	748.501	27.359	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39403	TOXAPHENE IN BOTTOM DEPOS. (UG/KILOGRAM DRY SOL.)	06/24/85-04/26/95	5 ##	0.5	200.3	500.	0.5	74850.075	273.587	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39413	HEPTACHLOR IN BOT. DEP. (UG/KILOGRAM DRY SOLIDS)	06/24/85-04/26/95	5 ##	0.05	10.04	50.	0.05	499.001	22.338	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	3 ##	0.05	0.035	0.05	0.005	0.001	0.026	**	**	**	**
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	07/10/85-07/29/93	3 ##	0.05	0.117	0.25	0.05	0.013	0.115	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/27/79-07/29/93	5	0.	0.05	0.25	0.	0.013	0.112	**	**	**	**
39526	PCBS TOTAL,IN SEDIMENT,DRY (ISOMER ANALYSES) UG/KG	06/24/85-04/26/95	5 ##	0.5	100.3	250.	0.5	18675.075	136.657	**	**	**	**
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE (UG/L)	05/25/78-08/21/84	4	0.	0.043	0.17	0.	0.007	0.085	**	**	**	**
39631	ATRAZINE IN BOTTOM DEPOS (UG/KG DRY SOLIDS)	04/29/81-06/08/4	3	0.	0.033	0.1	0.	0.003	0.058	**	**	**	**
39700	HEXAACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	09/27/79-08/12/81	4	0.	0.	0.	0.	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	3 ##	0.1	0.117	0.15	0.1	0.001	0.029	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	3 ##	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	07/10/85-07/29/93	3 ##	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/25/93-07/21/94	2	20.5	20.5	22.	19.	4.5	2.121	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	12/04/75-04/11/84	8	0.	0.05	0.4	0.	0.02	0.141	**	**	**	**
70505	PHOSPHATE,TOTAL, COLORIMETRIC METHOD (MG/L AS P)	10/15/74-06/04/79	49 ##	0.05	0.077	0.4	0.05	0.004	0.061	0.05	0.1	0.1	0.1
70507	PHOSPHORUS,IN TOTAL, ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	122	0.02	0.032	0.18	0.005	0.001	0.031	0.005	0.01	0.04	0.077
71890	MERCURY, DISSOLVED (UG/L AS HG)	05/20/97-05/21/98	2 ##	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	10/22/75-07/21/94	15 ##	0.15	0.263	1.2	0.15	0.076	0.275	0.15	0.15	0.25	0.78
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	06/16/80-04/26/95	9	0.2	0.179	0.3	0.05	0.008	0.089	0.05	0.08	0.25	0.3
71930	MERCURY,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/16/91-07/16/91	3 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
71936	LEAD,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/16/91-07/16/91	3	1.3	1.2	1.5	0.8	0.13	0.361	**	**	**	**
71937	COPPER,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/16/91-07/16/91	3	2.	1.967	2.1	1.8	0.023	0.153	**	**	**	**
71938	ZINC,TOTAL IN FISH OR ANIMALS-WET WEIGHT BASIS	07/16/91-07/16/91	3	10.4	12.8	19.7	8.3	36.81	6.067	**	**	**	**
71939	CHROMIUM,TOT IN FISH OR ANIMALS-WET WEIGHT BASIS	07/16/91-07/16/91	3 ##	0.05	0.167	0.4	0.05	0.041	0.202	**	**	**	**
71940	CADMIUM,TOTAL IN FISH OR ANIMAL-WET WEIGHT BASIS	07/16/91-07/16/91	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
75045	HEPTACHLOR EPOXIDE SEDIMENT,DRY,WT,UG/KG	07/15/91-04/26/95	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	07/10/85-07/29/93	3 ##	0.1	0.068	0.1	0.005	0.003	0.055	**	**	**	**
79799	DICOFOL (KELTHANE) SEDIMENT,DRY,WT,UG/KG	07/15/91-04/26/95	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
81614	NUMBER OF INDIVIDUALS IN THE SAMPLE	07/16/91-07/16/91	3	6.	6.	6.	6.	0.	0.	**	**	**	**
81742	SILVER IN FISH TISSUE WET WEIGHT (MG/KG)PPM	07/16/91-07/16/91	3 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
82036	CALCIUM-DISSOLVED UG/L (AS CA)	05/20/97-05/20/97	1	5300.	5300.	5300.	5300.	0.	0.	**	**	**	**
82037	MAGNESIUM - DISSOLVED UG/L (AS MG)	05/20/97-05/20/97	1	1900.	1900.	1900.	1900.	0.	0.	**	**	**	**
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	05/14/92-06/23/94	24	4.95	27.413	236.	1.4	3233.998	56.868	1.55	2.175	16.	121.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0080

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a				
						Obs	Exceed	Obs	Exceed	Obs	Exceed	Obs	Exceed			
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	37	2	0.05	8	1	0.13	20	0	0.00	9	1	0.11	
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	50	6	0.12	15	3	0.20	23	2	0.09	12	1	0.08	
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	80	0	0.00	21	0	0.00	38	0	0.00	21	0	0.00	
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	175	0	0.00	49	0	0.00	80	0	0.00	46	0	0.00	
00400	PH	Fresh Chronic	9.	248	2	0.01	70	0	0.00	114	1	0.01	64	1	0.02	
00403	PH, LAB	Other-Lo Lim.	6.5	248	16	0.06	70	5	0.07	114	9	0.08	64	2	0.03	
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	255	0	0.00	70	0	0.00	118	0	0.00	67	0	0.00	
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	226	0	0.00	64	0	0.00	103	0	0.00	59	0	0.00	
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	29	0	0.00	6	0	0.00	15	0	0.00	8	0	0.00	
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	110	0	0.00	29	0	0.00	54	0	0.00	27	0	0.00	
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	108	0	0.00	28	0	0.00	53	0	0.00	27	0	0.00	
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	45	0	0.00	11	0	0.00	24	0	0.00	10	0	0.00	
01000	ARSENIC, DISSOLVED	Fresh Acute	360.	2	0	0.00					2	0	0.00			
01002	ARSENIC, TOTAL	Drinking Water	360.	16	0	0.00	6	0	0.00	7	0	0.00	3	0	0.00	
01012	BERYLLIUM, TOTAL	Drinking Water	50.	16	0	0.00	6	0	0.00	7	0	0.00	3	0	0.00	
01025	CADMIUM, DISSOLVED	Fresh Acute	130.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00	
01027	CADMIUM, TOTAL	Drinking Water	4.	1 &	0	0.00	1	0	0.00		2	0	0.00			
01030	CHROMIUM, DISSOLVED	Fresh Acute	3.9	2	0	0.00					2	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	5.	6 &	0	0.00	5	0	0.00	1	0	0.00	4	0	0.00	
01040	COPPER, DISSOLVED	Drinking Water	100.	2	0	0.00					2	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	100.	17	0	0.00	6	0	0.00	7	0	0.00	4	0	0.00	
01049	LEAD, DISSOLVED	Drinking Water	18.	2	0	0.00					2	0	0.00			
01051	LEAD, TOTAL	Fresh Acute	18.	17	0	0.00	6	0	0.00	7	0	0.00	4	0	0.00	
01057	THALLIUM, DISSOLVED	Drinking Water	15.	17	1	0.06	6	0	0.00	7	0	0.00	4	1	0.25	
01059	THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00					1	0	0.00			
01065	NICKEL, DISSOLVED	Drinking Water	1400.	3	0	0.00	1	0	0.00	1	0	0.00	1	0	0.00	
01067	NICKEL, TOTAL	Fresh Acute	1400.	9	0	0.00					4	0	0.00	5	0	0.00
01075	SILVER, DISSOLVED	Drinking Water	1400.	10	0	0.00	6	0	0.00	3	0	0.00	1	0	0.00	
01090	ZINC, DISSOLVED	Fresh Acute	100.	10	0	0.00	6	0	0.00	3	0	0.00	1	0	0.00	
01092	ZINC, TOTAL	Drinking Water	120.	16	0	0.00	6	0	0.00	6	0	0.00	4	0	0.00	

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

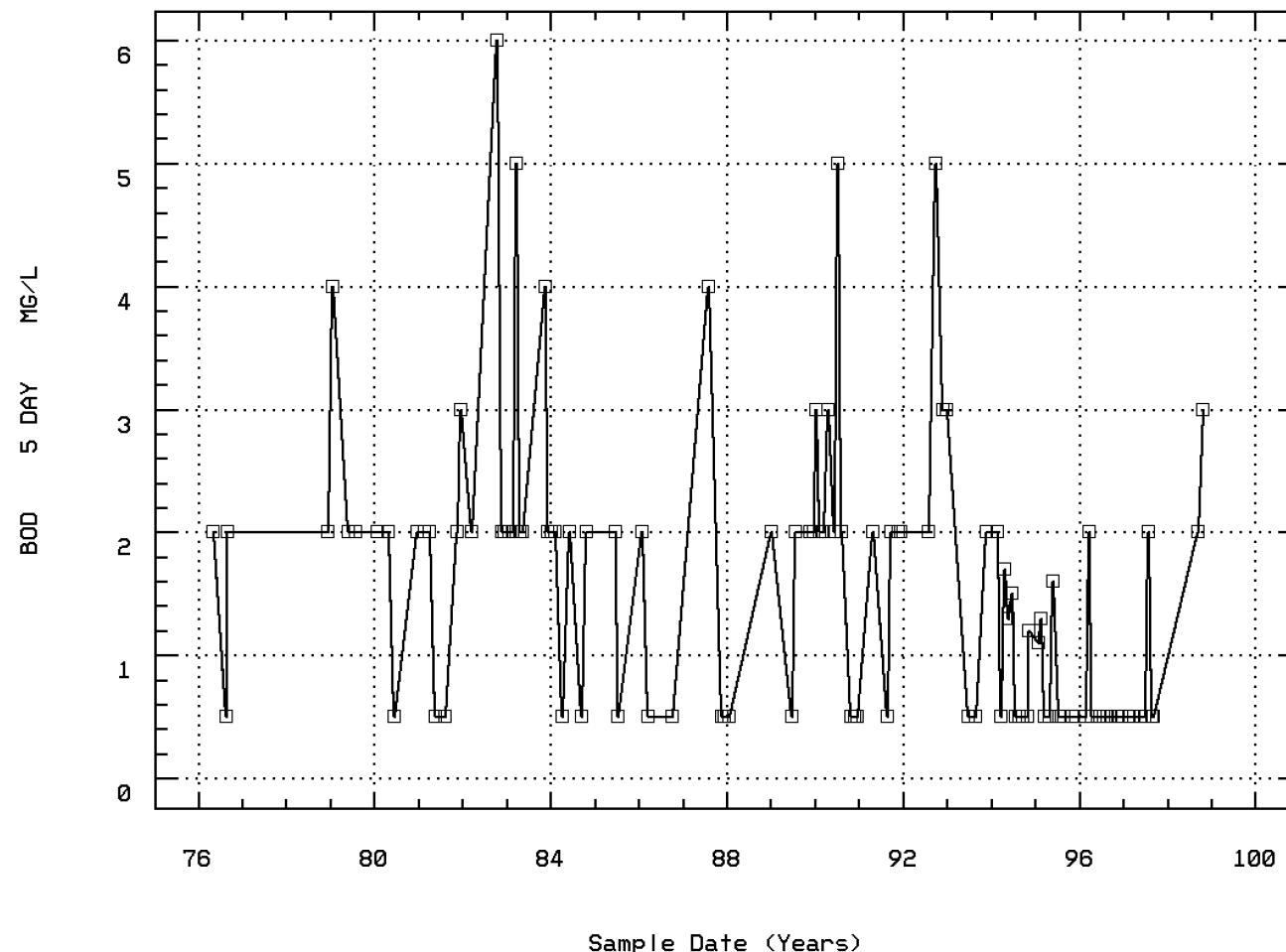
EPA Water Quality Criteria Analysis for Station: FRSP0080

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a			
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	
01095	ANTIMONY, DISSOLVED	Fresh Acute	88.	2	0	0.00						2	0	0.00	
		Drinking Water	6.	2	0	0.00						2	0	0.00	
01145	SELENIUM, DISSOLVED	Fresh Acute	20.	2	0	0.00						2	0	0.00	
		Drinking Water	50.	2	0	0.00						2	0	0.00	
01147	SELENIUM, TOTAL	Fresh Acute	20.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00
		Drinking Water	50.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	220	82	0.37	58	21	0.36	104	42	0.40	58	19	0.33
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	3	0	0.00	3	0	0.00						
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	3	0	0.00	3	0	0.00						
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	1.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
39310	P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	10	0	0.00	8	0	0.00	1	0	0.00	1	0	0.00
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	3	0	0.00	3	0	0.00						
		Drinking Water	0.2	3	0	0.00	3	0	0.00						
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	2.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	2.	7	0	0.00	5	0	0.00	1	0	0.00	1	0	0.00
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	3	0	0.00	3	0	0.00						
		Drinking Water	3.	3	0	0.00	3	0	0.00						
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	3	0	0.00						
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	3	0	0.00	3	0	0.00						
		Drinking Water	0.2	3	0	0.00	3	0	0.00						
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
39630	ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	4	0	0.00	3	0	0.00				1	0	0.00
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
		Drinking Water	1.	4	0	0.00	2	0	0.00	1	0	0.00	1	0	0.00
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	3	0	0.00	3	0	0.00						
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	3	0	0.00	3	0	0.00						
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	8	1	0.13	1	0	0.00	2	0	0.00	5	1	0.20
71890	MERCURY, DISSOLVED	Fresh Acute	2.4	2	0	0.00							2	0	0.00
		Drinking Water	2.	2	0	0.00							2	0	0.00
71900	MERCURY, TOTAL	Fresh Acute	2.4	15	0	0.00	6	0	0.00	6	0	0.00	3	0	0.00
		Drinking Water	2.	15	0	0.00	6	0	0.00	6	0	0.00	3	0	0.00
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	24	4	0.17	6	1	0.17	10	3	0.30	8	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station: FRSP0080 Parameter Code: 00310

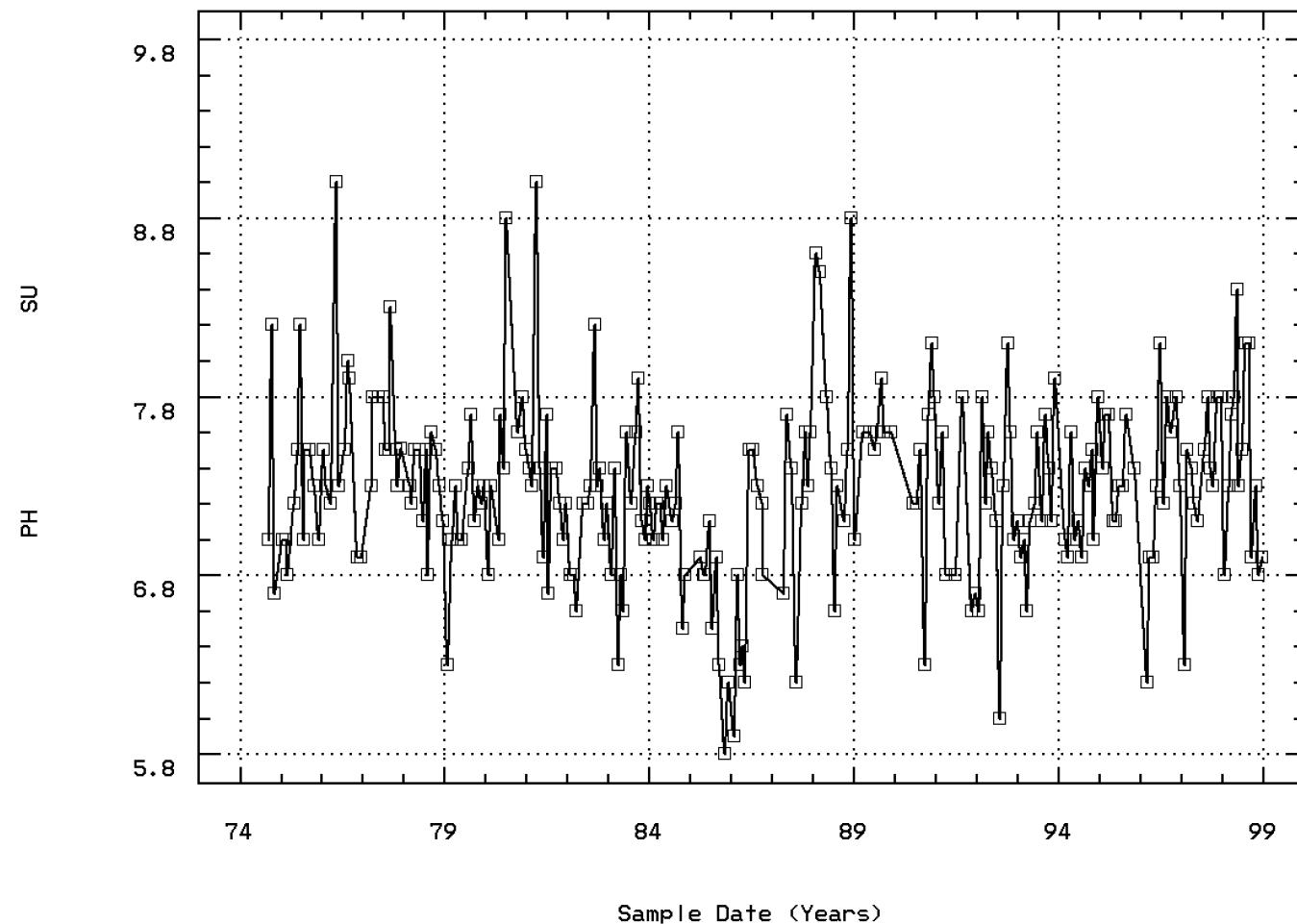
BOD, 5 DAY, 20 DEG C



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00400

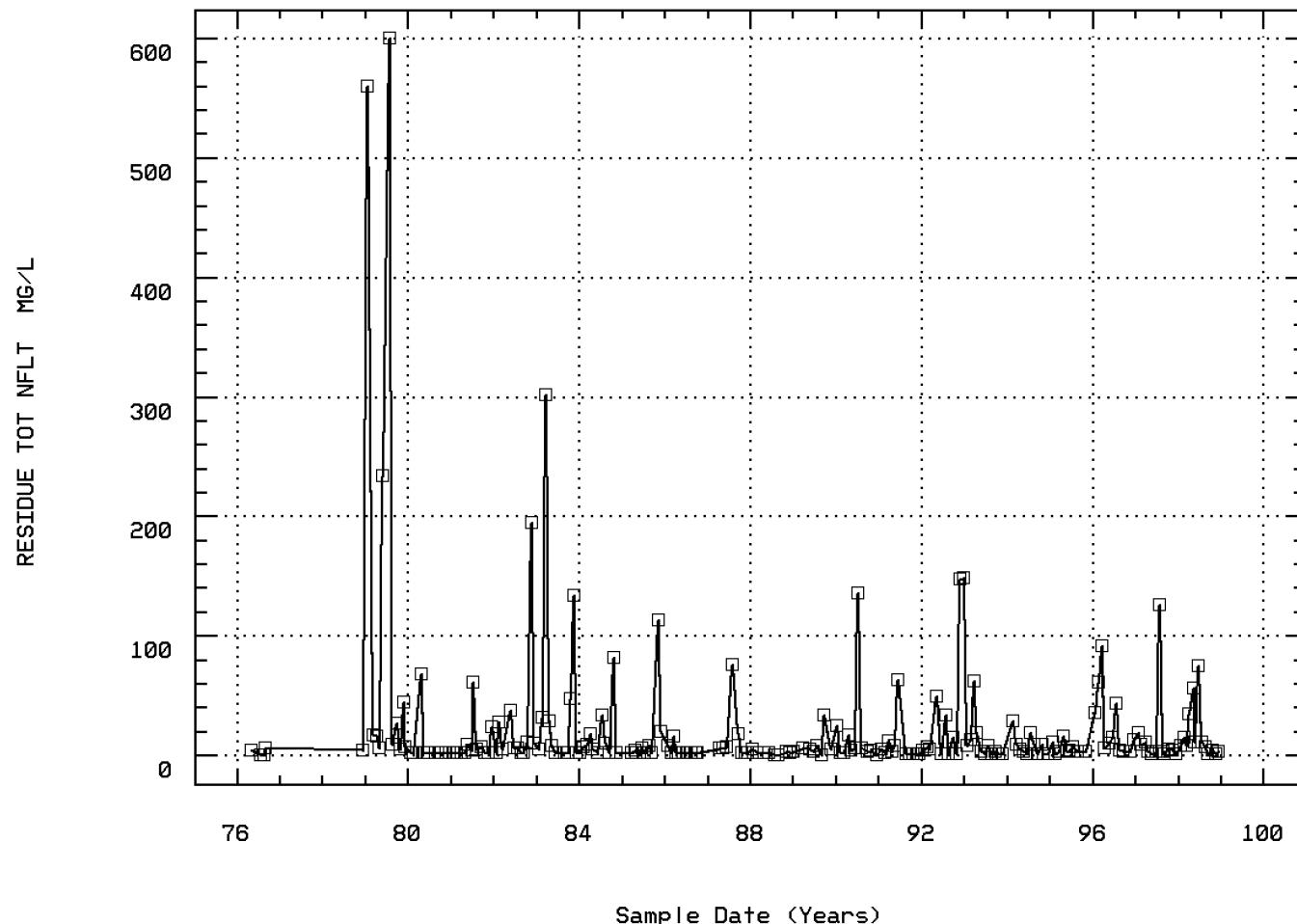
PH (STANDARD UNITS)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00530

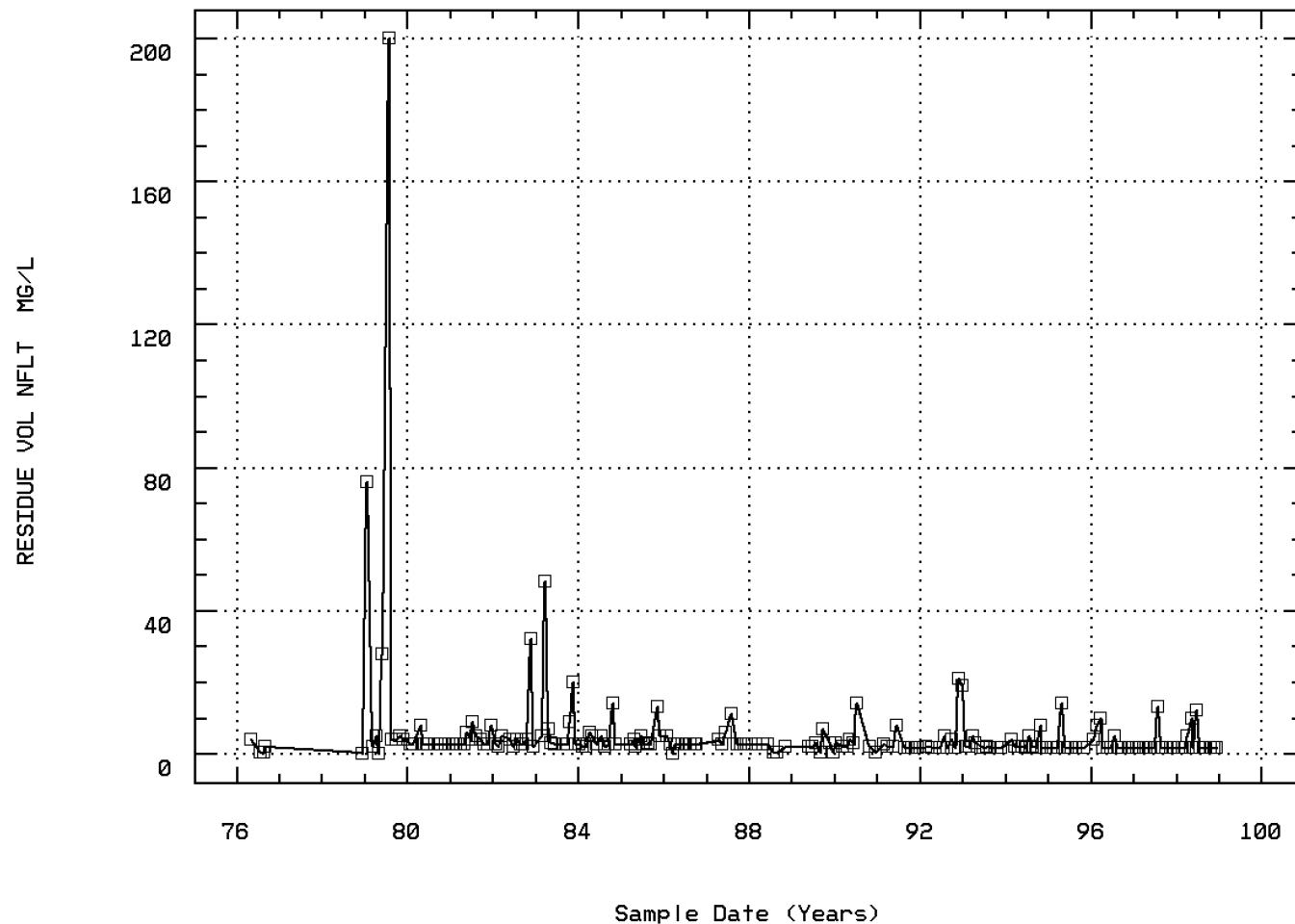
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00535

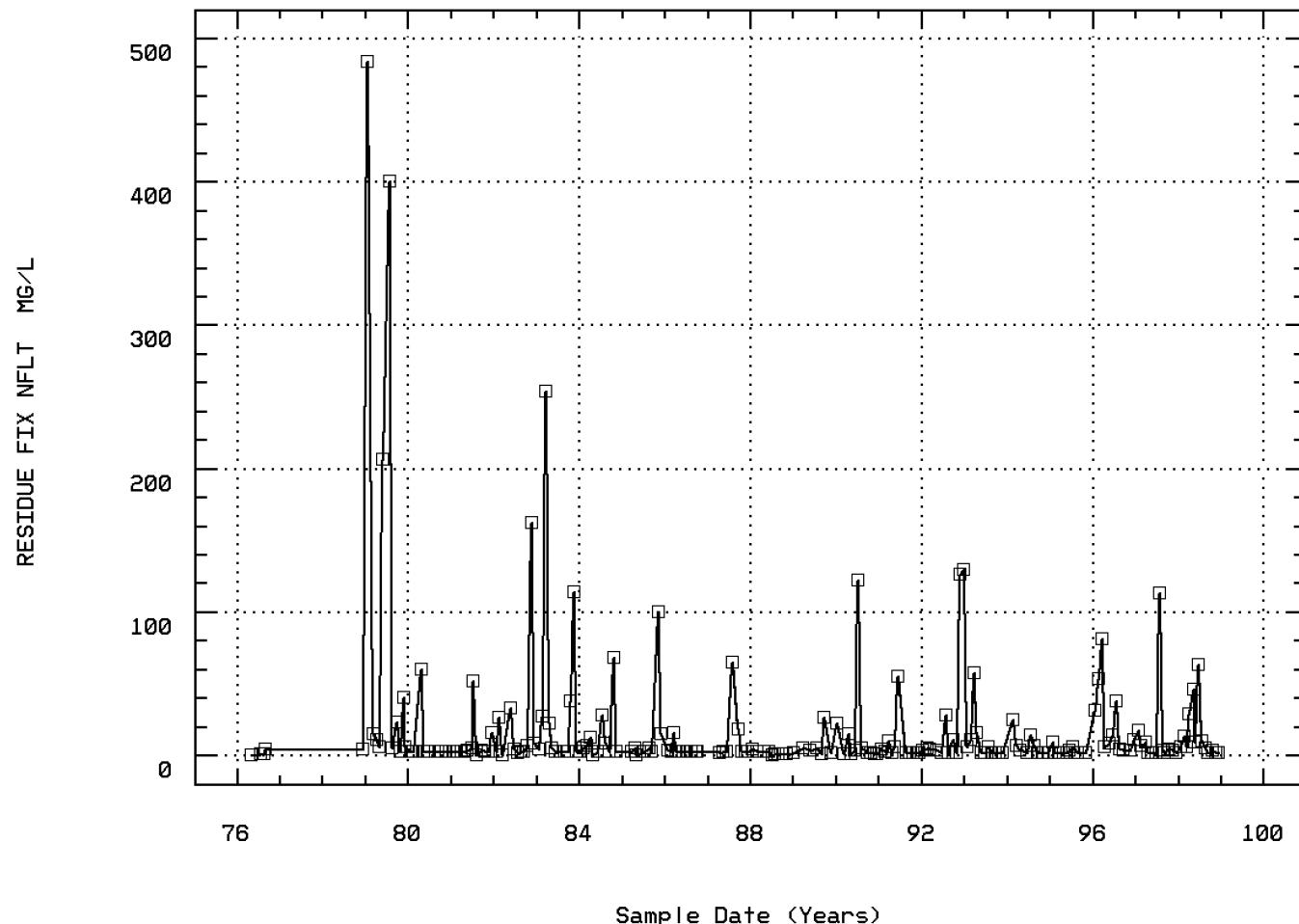
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00540

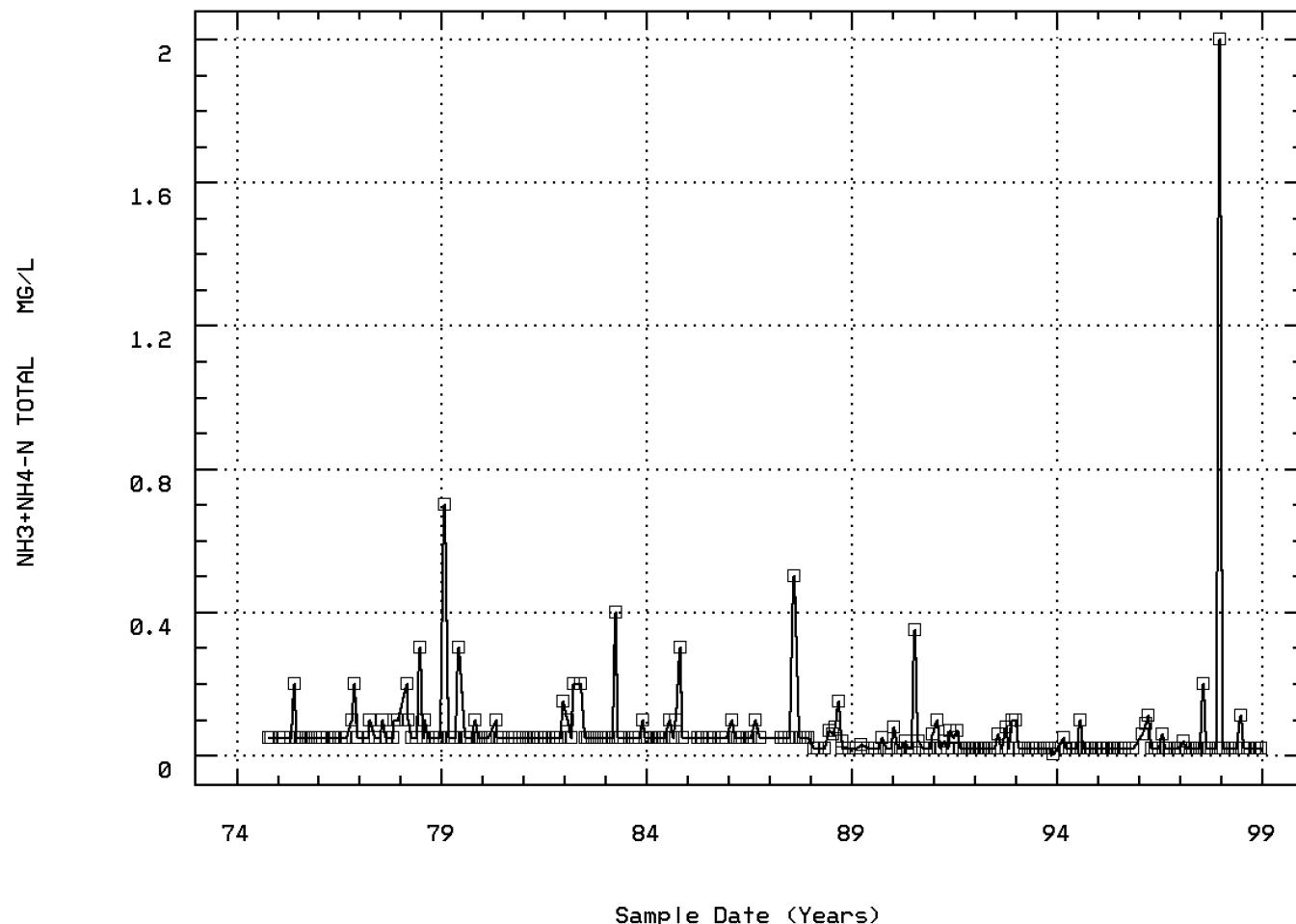
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00610

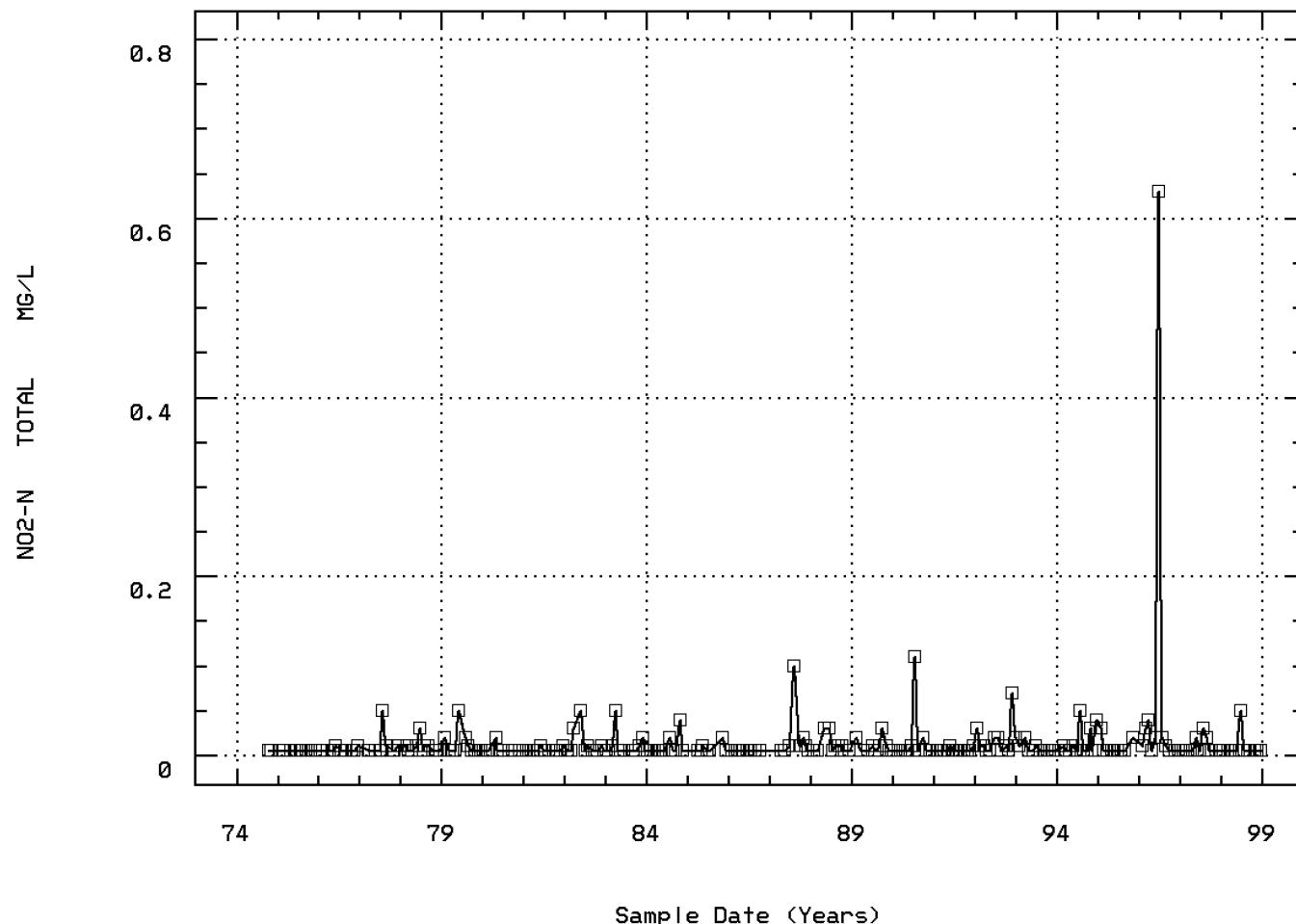
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00615

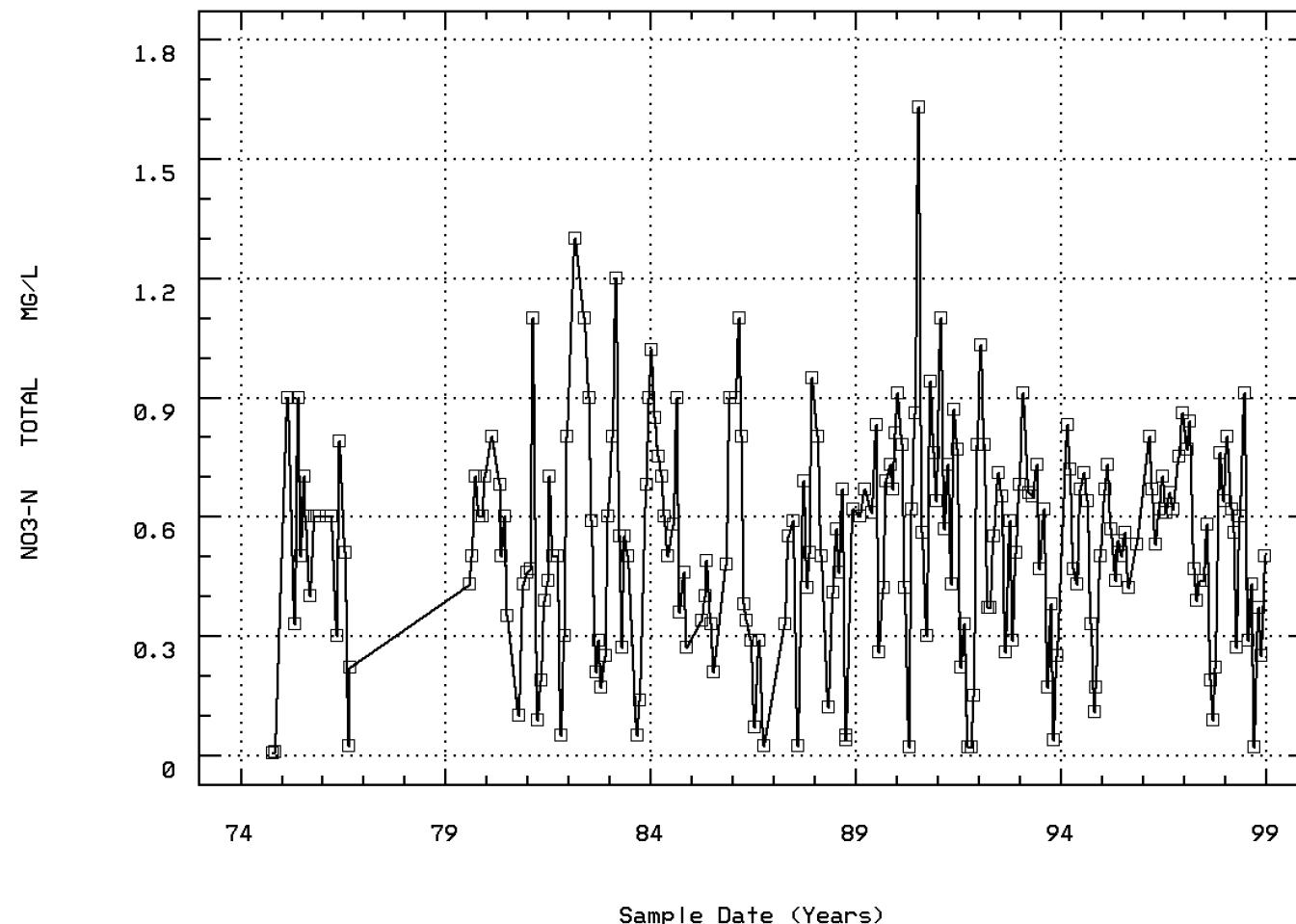
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00620

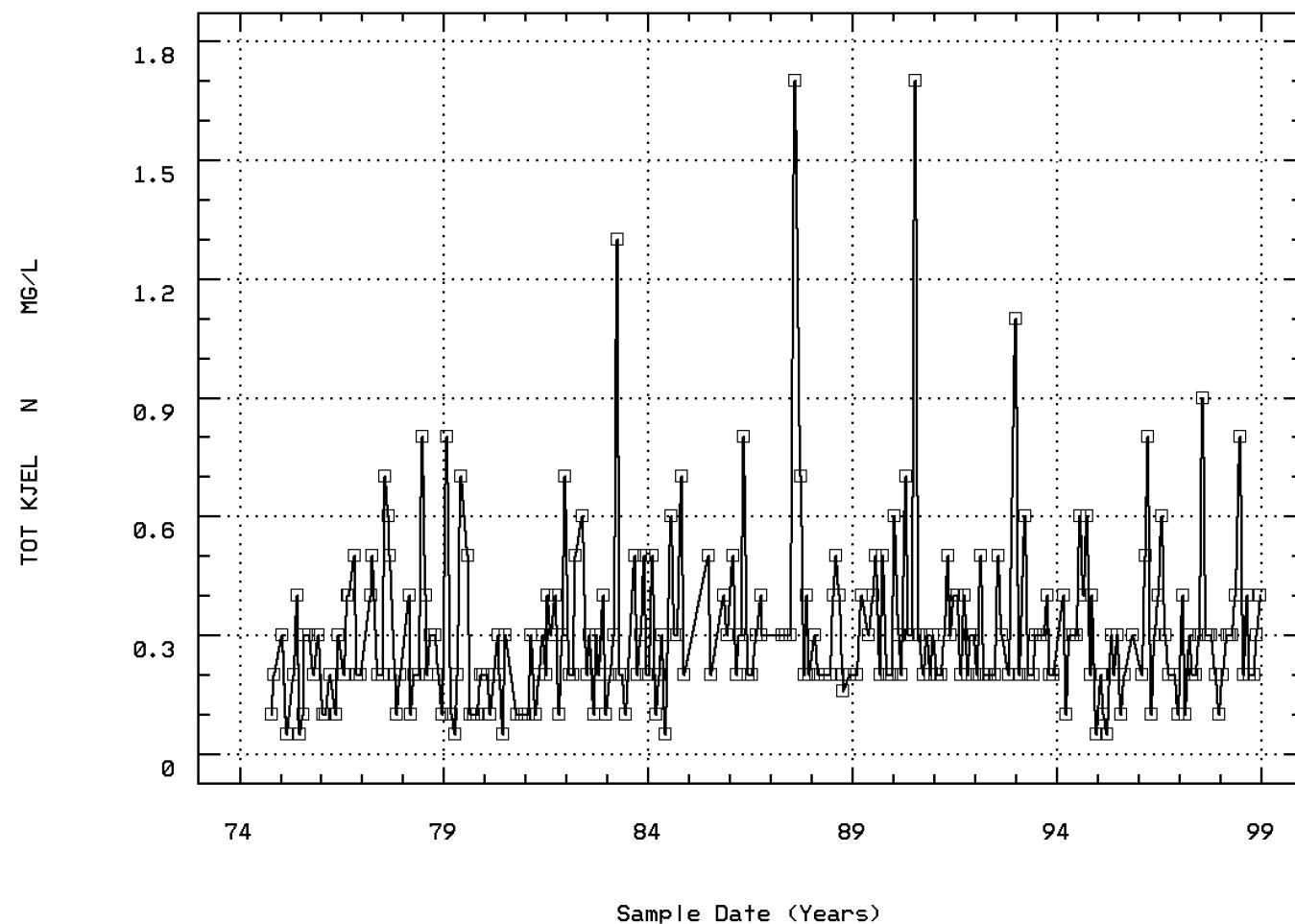
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00625

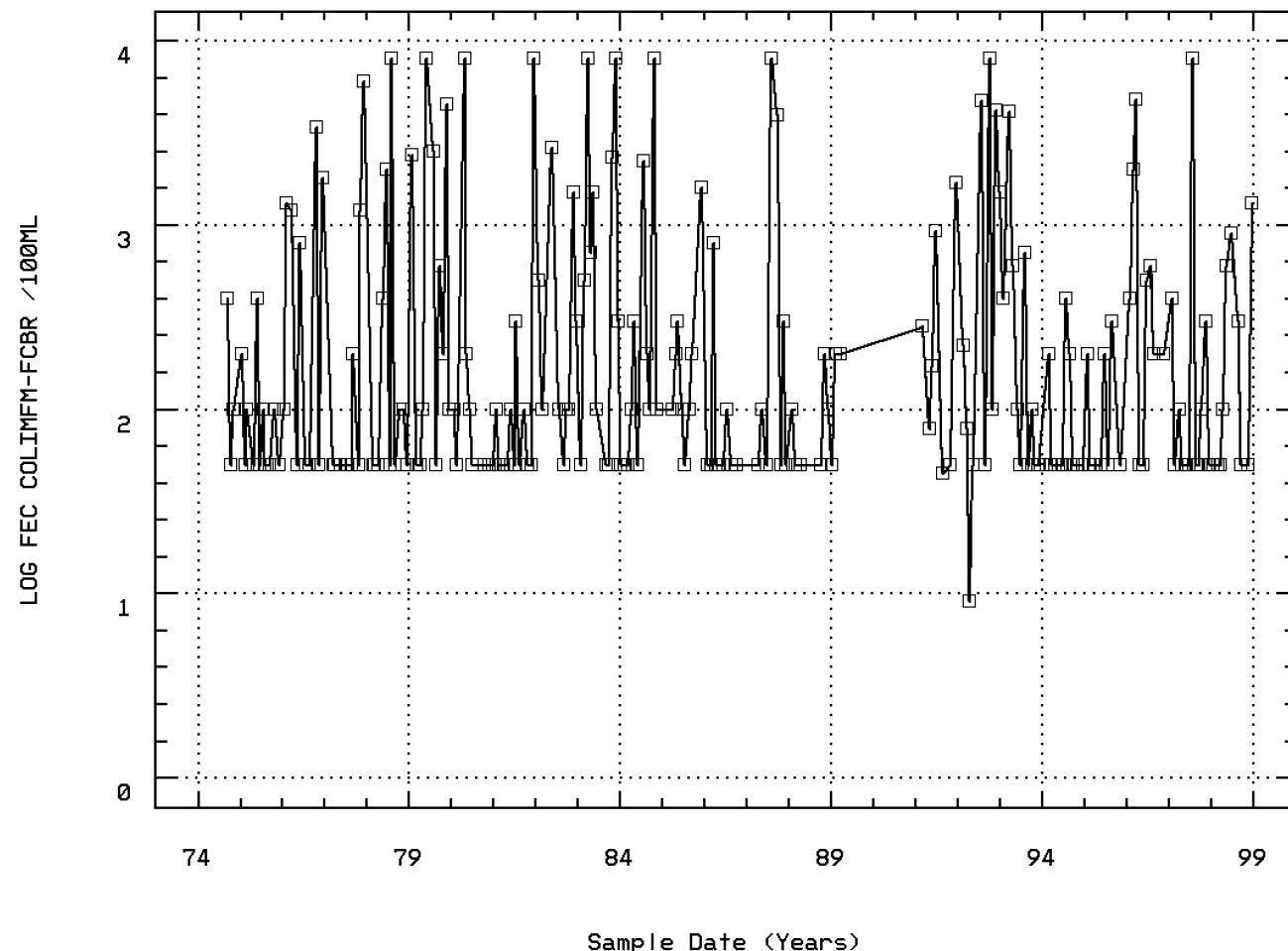
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 31616

LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



RT. 610 BRIDGE

Annual Analysis for 1974 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	3	18.9	18.333	20.	16.1	4.043	2.011	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	3	9.4	9.2	10.	8.2	0.84	0.917	**	**	**	**
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	3	7.	7.3	8.2	6.7	0.63	0.794	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	3	7.	6.992	8.2	6.7	0.773	0.879	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	3	0.1	0.102	0.2	0.006	0.009	0.097	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	2 ##	0.008	0.008	0.01	0.005	0.	0.004	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	2	0.15	0.15	0.2	0.1	0.005	0.071	**	**	**	**
31615p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	3	100.	183.333	400.	50.	35833.333	189.297	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	3	2.	2.1	2.602	1.699	0.211	0.46	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	125.992								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10/15/74-06/04/79	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1975 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	11	16.7	15.664	28.9	1.1	96.751	9.836	1.54	5.	25.	28.34
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	11	9.7	10.064	13.2	7.9	3.231	1.797	8.	8.4	12.	13.04
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	11	7.2	7.273	8.2	6.8	0.154	0.393	6.84	7.	7.5	8.06
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	11	7.2	7.153	8.2	6.8	0.17	0.412	6.84	7.	7.5	8.06
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	11	0.063	0.07	0.158	0.006	0.002	0.045	0.011	0.032	0.1	0.147
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	10 ##	0.05	0.065	0.2	0.05	0.002	0.047	0.05	0.05	0.05	0.185
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	10 ##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	10	0.6	0.653	1.	0.33	0.049	0.222	0.337	0.475	0.9	0.99
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	10	0.25	0.22	0.4	0.05	0.015	0.121	0.05	0.088	0.3	0.39
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	11 ##	50.	109.091	400.	50.	11409.091	106.813	50.	50.	100.	360.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	11 ##	1.699	1.918	2.602	1.699	0.092	0.304	1.699	1.699	2.	2.542
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	82.775								
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10/15/74-06/04/79	10 ##	0.05	0.075	0.2	0.05	0.002	0.049	0.05	0.05	0.1	0.19
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	10 ##	0.05	0.036	0.05	0.01	0.	0.018	0.01	0.018	0.05	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	10	12.25	13.4	28.9	0.6	115.964	10.769	0.82	4.	23.325	28.68
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	9	10.6	10.667	13.4	7.8	4.123	2.03	7.8	8.85	12.6	13.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	4	1.5	1.375	2.	0.5	0.563	0.75	**	**	**	**
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	10	7.4	7.55	9.	6.9	0.392	0.626	6.9	7.125	7.925	8.9
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	10	7.389	7.299	9.	6.9	0.461	0.679	6.9	7.125	7.925	8.9
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	10	0.041	0.05	0.126	0.001	0.002	0.044	0.002	0.012	0.079	0.126
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	4 ##	2.25	2.75	6.	0.5	7.417	2.723	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	4 ##	1.25	1.75	4.	0.5	2.75	1.658	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	4 ##	0.5	1.25	4.	0.	3.417	1.848	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	11 ##	0.05	0.068	0.2	0.05	0.002	0.046	0.05	0.05	0.05	0.18
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	11 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	8	0.555	0.556	1.	0.025	0.13	0.361	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	11	0.2	0.245	0.5	0.1	0.019	0.137	0.1	0.1	0.4	0.48
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	4	3.	3.25	5.	2.	1.583	1.258	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	10	450.	880.	3400.	50.	1205111.111	1097.776	50.	50.	1425.	3240.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1976 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	10	2.452	2.468	3.531	1.699	0.591	0.769	1.699	1.699	3.149	3.504
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	293.687								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	10/15/74-06/04/79	11 ##	0.05	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	11	0.02	0.018	0.03	0.005	0.	0.011	0.005	0.01	0.03	0.03

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1977 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	10	14.	13.32	28.	0.	128.633	11.342	0.06	1.35	25.25	27.8
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	10	8.95	9.21	12.	7.	2.128	1.459	7.08	8.25	10.225	11.86
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	10	7.505	7.631	8.3	7.3	0.091	0.302	7.3	7.45	7.8	8.25
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	10	7.505	7.555	8.3	7.3	0.097	0.312	7.3	7.45	7.8	8.25
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	10	0.031	0.028	0.05	0.005	0.	0.015	0.006	0.016	0.036	0.05
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	10 ##	0.05	0.07	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	10 ##	0.005	0.011	0.05	0.005	0.	0.014	0.005	0.005	0.01	0.046
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	10	0.3	0.36	0.7	0.1	0.043	0.207	0.11	0.2	0.525	0.69
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	10 ##	50.	775.	6000.	50.	3499027.778	1870.569	50.	50.	450.	5520.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	10 ##	1.699	2.105	3.778	1.699	0.549	0.741	1.699	1.699	2.496	3.708
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	127.384								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	10/15/74-06/04/79	10 ##	0.05	0.07	0.2	0.05	0.002	0.048	0.05	0.05	0.063	0.19
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	10 ##	0.005	0.018	0.1	0.005	0.001	0.031	0.005	0.005	0.014	0.094

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1978 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	13	18.	16.346	26.5	3.	72.764	8.53	3.32	9.	24.5	25.98
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	13	9.8	9.577	12.6	6.4	4.085	2.021	6.72	8.1	11.3	12.52
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	13	7.3	7.323	7.6	6.8	0.052	0.228	6.92	7.15	7.5	7.56
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	13	7.3	7.26	7.6	6.8	0.056	0.237	6.92	7.15	7.5	7.56
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	13	0.05	0.055	0.158	0.025	0.001	0.036	0.028	0.032	0.071	0.127
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	1	0.	0.	0.	0.	0.	0.	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	11 ##	0.05	0.095	0.3	0.05	0.007	0.082	0.05	0.05	0.1	0.28
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	11 ##	0.005	0.009	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.026
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	11	0.2	0.291	0.8	0.1	0.039	0.197	0.1	0.2	0.4	0.72
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	11 ##	50.	990.909	8000.	50.	5739409.091	2395.706	50.	50.	400.	6800.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	11 ##	1.699	2.182	3.903	1.699	0.586	0.765	1.699	1.699	2.602	3.783
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	151.991								
70505	PHOSPHATE, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	10/15/74-06/04/79	11	0.1	0.086	0.2	0.05	0.002	0.045	0.05	0.05	0.1	0.18
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	11	0.01	0.033	0.1	0.005	0.001	0.036	0.005	0.005	0.06	0.098

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1979 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	11	12.	13.773	24.	3.5	50.918	7.136	3.5	9.	19.	24.
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	6	69.	1390.	8000.	63.	10486116.8	3238.227	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	11	10.1	10.2	13.4	8.	2.708	1.646	8.04	8.3	11.	13.12
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	11	1.	1.455	4.	1.	0.873	0.934	1.	1.	2.	3.6
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	6	6.	6.5	14.	2.	22.3	4.722	**	**	**	**
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	11	7.2	7.145	7.7	6.3	0.123	0.35	6.44	7.	7.3	7.64
00440p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	11	7.2	6.979	7.7	6.3	0.153	0.391	6.44	7.	7.3	7.64
00440p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	11	0.063	0.105	0.501	0.02	0.018	0.134	0.024	0.05	0.1	0.421
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	4	81.	96.5	150.	74.	1307.	36.152	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	4	39.5	172.	600.	9.	81659.333	285.761	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	4	54.	63.	104.	40.	886.667	29.777	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	17.	138.636	600.	5.	52033.655	228.109	5.2	7.	234.	592.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	4.	29.909	200.	0.	3682.291	60.682	0.2	2.	28.	175.2
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	15.	108.955	484.	2.5	30868.823	175.695	3.	6.	206.	467.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	11 ##	0.05	0.136	0.7	0.5	0.041	0.201	0.05	0.05	0.1	0.62
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	11 ##	0.005	0.012	0.05	0.005	0.	0.014	0.005	0.005	0.02	0.044
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	6	0.6	0.588	0.7	0.43	0.012	0.108	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	11	0.2	0.277	0.8	0.05	0.07	0.264	0.06	0.1	0.5	0.78
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	6 ##	0.075	0.075	0.1	0.05	0.001	0.027	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	6	0.02	0.027	0.06	0.01	0.	0.02	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	11	6.	7.591	22.	0.	49.741	7.053	0.1	4.	7.	21.6
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	11	200.	1686.364	8000.	50.	6540545.455	2557.449	50.	50.	2500.	7300.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	11	2.301	2.592	3.903	1.699	0.733	0.856	1.699	1.699	3.398	3.853
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98			390.722								
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10/15/74-06/04/79	5	0.1	0.14	0.4	0.05	0.022	0.147	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	5	0.02	0.038	0.09	0.005	0.002	0.039	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1980 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	9	13.5	12.467	23.2	0.5	71.67	8.466	0.5	4.9	21.35	23.2
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	9	72.	71.556	85.	65.	37.278	6.106	65.	66.	73.5	85.
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	9	10.4	10.967	13.2	8.9	2.762	1.662	8.9	9.45	12.5	13.2
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	9	1.	1.278	2.	0.5	0.319	0.565	0.5	1.	2.	2.
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	9	5.	7.	19.	1.	42.	6.481	1.	1.5	12.	19.
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	9	7.5	7.544	8.8	6.8	0.325	0.57	6.8	7.15	7.75	8.8
00440p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	9	7.5	7.308	8.8	6.8	0.388	0.623	6.8	7.15	7.75	8.8
00440p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	9	0.032	0.049	0.158	0.002	0.002	0.05	0.002	0.018	0.075	0.158
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	9 ##	2.5	9.778	68.	2.5	476.694	21.833	2.5	2.5	2.5	68.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	9 ##	2.5	3.111	8.	2.5	3.361	1.833	2.5	2.5	2.5	8.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	9 ##	2.5	8.889	60.	2.5	367.361	19.167	2.5	2.5	2.5	60.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	9 ##	0.05	0.056	0.1	0.05	0.	0.017	0.05	0.05	0.05	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	9 ##	0.005	0.007	0.02	0.005	0.	0.005	0.005	0.005	0.005	0.02
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	9	0.5	0.547	1.	0.1	0.069	0.263	0.1	0.39	0.74	1.
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	9	0.1	0.161	0.3	0.05	0.009	0.093	0.05	0.1	0.25	0.3
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	9 ##	0.05	0.067	0.2	0.05	0.003	0.05	0.05	0.05	0.05	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	9	0.02	0.021	0.03	0.01	0.	0.009	0.01	0.01	0.03	0.03
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	9	6.	6.556	12.	5.	5.028	2.242	5.	5.	7.	12.
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	9 ##	50.	961.111	8000.	50.	6969861.111	2640.049	50.	50.	150.	8000.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	9 ##	1.699	2.078	3.903	1.699	0.514	0.717	1.699	1.699	2.151	3.903
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98			119.581								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1981 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	11	17.8	15.8	25.	2.1	70.88	8.419	2.64	8.6	23.7	24.98
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	12	75.	75.25	94.	54.	155.114	12.454	56.4	65.25	85.25	94.
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	11	9.6	10.273	13.9	7.1	5.664	2.38	7.22	7.9	12.4	13.88
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	12	1.	1.333	3.	0.5	0.561	0.749	0.5	1.	2.	2.7
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	12	6.5	7.75	15.	2.	17.114	4.137	2.6	5.	11.5	14.7
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	12	7.35	7.383	9.	6.7	0.331	0.575	6.76	7.05	7.4	8.61
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	12	7.347	7.186	9.	6.7	0.373	0.611	6.76	7.05	7.4	8.61
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	12	0.045	0.065	0.2	0.001	0.003	0.054	0.007	0.04	0.091	0.177
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	12 ##	3.25	10.417	61.	2.5	291.22	17.065	2.5	2.5	8.5	49.9
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	12 ##	3.25	4.25	9.	2.5	5.341	2.311	2.5	2.5	5.75	8.7
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	12 ##	2.5	7.833	52.	0.	209.47	14.473	0.75	2.5	4.5	41.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	12 ##	0.05	0.058	0.15	0.05	0.001	0.029	0.05	0.05	0.05	0.12
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	12 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	12	0.455	0.461	1.1	0.05	0.09	0.301	0.062	0.218	0.65	1.01
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	12	0.3	0.283	0.7	0.1	0.029	0.17	0.1	0.125	0.375	0.61
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	12 ##	0.05	0.071	0.1	0.05	0.001	0.026	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	12	0.03	0.03	0.07	0.005	0.	0.017	0.007	0.02	0.038	0.064
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	12	6.	5.042	6.	0.5	2.657	1.63	1.55	4.25	6.	6.
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	12 ##	50.	745.833	8000.	50.	5223844.697	2285.573	50.	50.	100.	5690.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	12 ##	1.699	2.023	3.903	1.699	0.407	0.638	1.699	1.699	2.	3.475
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	105.378								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1982 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	9	7.	10.8	26.	0.1	81.668	9.037	0.1	2.55	18.6	26.
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	11	75.	134.545	813.	8.	51082.273	226.014	17.6	64.	79.	668.
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	11	9.7	10.373	14.	8.	5.102	2.259	8.	8.1	12.2	13.94
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	10	1.	1.8	6.	1.	2.4	1.549	1.	1.	2.	5.6
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	11	8.	10.227	40.	0.5	115.168	10.732	0.8	4.	11.	34.8
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	11	7.2	7.182	8.2	6.6	0.178	0.421	6.64	6.8	7.3	8.04
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	11	7.2	7.04	8.2	6.6	0.2	0.447	6.64	6.8	7.3	8.04
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	11	0.063	0.091	0.251	0.006	0.005	0.071	0.013	0.05	0.158	0.233
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	6.	27.682	194.	2.5	3169.664	56.3	2.5	2.5	28.	162.6
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	2.5	5.682	32.	2.	77.264	8.79	2.	2.	4.	26.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	4.	22.682	162.	0.	2250.164	47.436	0.4	2.5	26.	136.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	11 ##	0.05	0.082	0.2	0.05	0.004	0.06	0.05	0.05	0.1	0.2
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	11 ##	0.005	0.012	0.05	0.005	0.	0.015	0.005	0.005	0.01	0.046
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	11	0.6	0.674	1.3	0.17	0.165	0.406	0.178	0.25	1.	1.26
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	11	0.2	0.282	0.6	0.1	0.026	0.16	0.1	0.2	0.4	0.58
00663p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	11 ##	0.05	0.077	0.2	0.05	0.002	0.047	0.05	0.05	0.1	0.18
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	11	0.03	0.045	0.12	0.02	0.001	0.033	0.02	0.02	0.07	0.112
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	11	3.	3.045	8.	0.5	5.123	2.263	0.6	1.	4.	7.6
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	9	100.	594.444	2600.	50.	776527.778	881.208	50.	100.	1000.	2600.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	9	2.	2.385	3.415	1.699	0.357	0.598	1.699	2.	2.938	3.415
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	242.731								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1983 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	12	11.9	13.358	28.	2.3	83.048	9.113	3.11	5.125	23.5	27.46
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	11	63.	70.	85.	57.	129.6	11.384	57.4	60.	83.	84.8
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	12	10.8	10.642	13.4	7.8	3.414	1.848	7.95	9.15	12.375	13.22
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	11	2.	2.091	5.	1.	1.691	1.3	1.	1.	2.	4.8
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	11	8.	11.909	38.	3.	130.091	11.406	3.2	5.	12.	36.4
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	12	7.15	7.133	7.9	6.3	0.213	0.462	6.39	6.8	7.55	7.81
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	12	7.147	6.913	7.9	6.3	0.266	0.516	6.39	6.8	7.55	7.81
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	12	0.071	0.122	0.501	0.013	0.019	0.139	0.016	0.029	0.158	0.426
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	8.	51.545	302.	2.5	8412.173	91.718	2.5	2.5	47.	268.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	3.	9.364	48.	1.	192.955	13.891	1.3	2.5	9.	42.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	5.	43.091	254.	2.5	5980.991	77.337	2.5	2.5	38.	226.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	11##	0.05	0.086	0.4	0.05	0.011	0.105	0.05	0.05	0.05	0.34
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	11##	0.005	0.011	0.05	0.005	0.	0.014	0.005	0.005	0.01	0.044
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	11	0.55	0.604	1.2	0.05	0.129	0.36	0.068	0.27	0.9	1.16
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	11	0.2	0.364	1.3	0.1	0.113	0.335	0.12	0.2	0.5	1.14
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	11##	0.05	0.1	0.3	0.05	0.007	0.081	0.05	0.05	0.1	0.28
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	11	0.03	0.065	0.3	0.005	0.007	0.086	0.008	0.02	0.06	0.268
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	11	4.	5.273	16.	2.	18.018	4.245	2.	2.	6.	14.8
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	11	500.	1959.091	8000.	50.	9416909.091	3068.698	50.	50.	2300.	8000.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	11	2.699	2.678	3.903	1.699	0.712	0.844	1.699	1.699	3.362	3.903
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	476.84								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1984 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	11	15.	13.555	23.	1.	78.007	8.832	1.1	5.5	22.5	23.
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	11	63.	64.818	81.	55.	69.164	8.316	55.	59.	73.	79.8
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	11	9.4	10.382	13.7	7.8	4.508	2.123	7.88	8.4	12.4	13.58
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	11	1.	1.273	2.	0.5	0.368	0.607	0.5	1.	2.	2.
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	11	5.	8.591	25.	5.	66.041	8.127	0.6	2.	14.	24.
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	11	7.2	7.1	7.6	6.5	0.08	0.283	6.56	7.	7.2	7.54
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	11	7.2	7.007	7.6	6.5	0.089	0.299	6.56	7.	7.2	7.54
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	11	0.063	0.098	0.316	0.025	0.006	0.08	0.03	0.063	0.1	0.285
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	7.	15.818	82.	2.5	566.464	23.8	2.5	2.5	18.	72.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	2.5	4.182	14.	2.	12.664	3.559	2.	2.	5.	12.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	5.	12.545	68.	0.	398.373	19.959	0.5	2.5	12.	60.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	11##	0.05	0.082	0.3	0.05	0.006	0.075	0.05	0.05	0.1	0.26
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	11##	0.005	0.01	0.04	0.005	0.	0.011	0.005	0.005	0.005	0.036
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	11	0.6	0.635	1.02	0.27	0.054	0.233	0.288	0.46	0.85	0.996
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	11	0.3	0.314	0.7	0.05	0.042	0.205	0.06	0.2	0.5	0.68
00663p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	11	0.1	0.127	0.3	0.05	0.007	0.085	0.05	0.05	0.2	0.28
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	11	0.03	0.057	0.22	0.01	0.004	0.062	0.012	0.02	0.09	0.198
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	11	3.	4.545	10.	2.	9.273	3.045	2.	2.	7.	10.
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	11	100.	1018.182	8000.	50.	5760636.364	2400.133	50.	50.	300.	6840.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	11	2.	2.256	3.903	1.699	0.538	0.734	1.699	1.699	2.477	3.791
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	180.436								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1985 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	8	20.1	18.4	26.	5.5	54.894	7.409	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	9	64.	65.222	78.	56.	55.194	7.429	56.	59.5	71.5	78.
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	9	9.	9.4	11.4	7.9	1.625	1.275	7.9	8.35	10.7	11.4
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	9	1.	1.056	2.	0.5	0.153	0.391	0.5	1.	1.	2.
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	9	7.	6.667	14.	2.	14.75	3.841	2.	3.	9.	14.
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	9	6.8	6.589	7.1	5.8	0.176	0.42	5.8	6.25	6.9	7.1
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	9	6.8	6.388	7.1	5.8	0.221	0.471	5.8	6.25	6.9	7.1
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	9	0.158	0.409	1.585	0.079	0.23	0.48	0.079	0.126	0.566	1.585
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	9	4.	17.833	113.	2.	1305.688	36.134	2.	2.5	14.	113.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	9	3.	4.389	13.	2.	11.674	3.417	2.	2.5	5.	13.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	9	2.5	14.833	100.	0.	1039.313	32.238	0.	1.75	10.	100.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	7##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	7##	0.005	0.008	0.02	0.005	0.	0.006	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	7	0.4	0.45	0.9	0.21	0.049	0.22	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	4	0.35	0.35	0.5	0.2	0.017	0.129	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	4	0.1	0.113	0.2	0.05	0.004	0.063	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	7	0.03	0.035	0.08	0.005	0.001	0.025	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	9	3.	4.222	12.	2.	9.444	3.073	2.	2.5	4.5	12.
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	8	150.	331.25	1600.	50.	269241.071	518.884	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	8	2.151	2.248	3.204	1.699	0.208	0.456	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	176.923								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1986 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	10	16.	15.06	25.	1.	78.063	8.835	1.1	9.05	24.05	24.92
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	10	67.	64.1	94.	7.	553.211	23.52	11.8	56.5	79.	92.5
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	10	9.9	10.29	14.3	7.6	5.548	2.355	7.62	8.025	12.55	14.23
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	10	1.	1.	2.	0.5	0.167	0.408	0.5	0.875	1.	1.9
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	10	8.5	11.1	27.	6.	40.544	6.367	6.1	7.	13.75	25.9
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	10	6.8	6.79	7.5	5.9	0.33	0.574	5.93	6.275	7.35	7.5
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	10	6.8	6.484	7.5	5.9	0.434	0.659	5.93	6.275	7.35	7.5
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	10	0.158	0.328	1.259	0.032	0.153	0.391	0.032	0.045	0.534	1.196
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	8	6.7	6.663	6.9	6.4	0.043	0.207	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	8	6.7	6.619	6.9	6.4	0.045	0.212	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/19/86-12/16/98	8	0.2	0.24	0.398	0.126	0.013	0.114	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/19/86-12/16/98	8	24.5	22.5	30.	13.	37.143	6.094	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	10##	2.5	4.4	16.	2.5	19.6	4.427	2.5	2.5	3.875	15.2
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	10##	2.5	2.5	5.	0.	1.389	1.179	0.25	2.5	2.5	4.75
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	10##	2.5	3.9	16.	2.5	18.1	4.254	2.5	2.5	2.625	14.7
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	10##	0.05	0.06	0.1	0.05	0.	0.021	0.05	0.05	0.063	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	10##	0.005	0.005	0.005	0.005	0.	0.	0.005	0.005	0.005	0.005
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	10	0.315	0.422	1.1	0.025	0.146	0.382	0.025	0.059	0.825	1.08
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	10	0.3	0.35	0.8	0.2	0.034	0.184	0.2	0.2	0.425	0.77
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	10##	0.075	0.085	0.2	0.05	0.002	0.047	0.05	0.05	0.1	0.19
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	10	0.025	0.026	0.05	0.01	0.	0.014	0.01	0.01	0.04	0.049
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	10	4.	4.1	5.	3.	0.767	0.876	3.	3.	5.	5.
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	10##	50.	130.	800.	50.	55666.667	235.938	50.	50.	62.5	730.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	10##	1.699	1.849	2.903	1.699	0.146	0.382	1.699	1.699	1.774	2.813
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	70.711								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1987 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	8	15.	15.825	25.3	7.1	50.856	7.131	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	8	77.5	108.125	349.	60.	9558.696	97.769	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	8	10.2	9.737	12.6	6.1	4.48	2.117	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	8	1.	1.25	4.	0.5	1.286	1.134	**	**	**	**
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	8	13.5	13.25	26.	5.	58.5	7.649	**	**	**	**
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	8	7.35	7.213	7.7	6.2	0.267	0.517	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	8	7.347	6.88	7.7	6.2	0.393	0.627	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	8	0.045	0.132	0.631	0.02	0.044	0.21	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	7	6.8	6.7	7.	6.1	0.097	0.311	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	7	6.8	6.585	7.	6.1	0.112	0.335	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/19/86-12/16/98	7	0.158	0.26	0.794	0.1	0.061	0.246	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/19/86-12/16/98	7	20.	19.714	26.	14.	16.571	4.071	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	8	6.	15.063	76.	2.5	632.103	25.142	**	**	**	**
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	8##	2.5	4.188	11.	2.5	9.138	3.023	**	**	**	**
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	8##	2.5	12.188	65.	2.	485.138	22.026	**	**	**	**
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	8##	0.05	0.106	0.5	0.05	0.025	0.159	**	**	**	**
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	8	0.01	0.021	0.1	0.005	0.001	0.032	**	**	**	**
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	8	0.53	0.508	0.95	0.025	0.073	0.27	**	**	**	**
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	8	0.3	0.513	1.7	0.2	0.256	0.506	**	**	**	**
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	8	0.1	0.125	0.4	0.05	0.013	0.113	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	8	0.02	0.059	0.31	0.01	0.011	0.103	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	4	5.	5.75	9.	4.	4.917	2.217	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/06/87-12/16/98	5	26.	24.4	27.	21.	7.3	2.702	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	8##	75.	1562.5	8000.	50.	8541250.	2922.542	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	8##	1.849	2.346	3.903	1.699	0.827	0.909	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	221.766								

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Annual Analysis for 1988 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	9	13.1	13.267	26.9	3.1	87.145	9.335	3.1	3.65	23.	26.9
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	10	74.	76.3	106.	56.	271.789	16.486	56.2	61.	88.5	105.3
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	9	10.1	10.8	14.5	7.7	5.723	2.392	7.7	8.55	12.95	14.5
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	10	1.	0.95	1.	0.5	0.025	0.158	0.55	1.	1.	1.
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	10	10.	11.6	29.	2.	67.156	8.195	2.4	6.	15.25	28.3
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	9	7.5	7.733	8.8	6.6	0.565	0.752	6.6	7.2	8.55	8.8
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	9	7.5	7.277	8.8	6.6	0.799	0.894	6.6	7.2	8.55	8.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	9	0.032	0.053	0.251	0.002	0.006	0.079	0.002	0.003	0.065	0.251
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	10	6.85	6.85	7.1	6.5	0.036	0.19	6.51	6.75	7.	7.09
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	10	6.847	6.81	7.1	6.5	0.038	0.195	6.51	6.75	7.	7.09
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/19/86-12/16/98	10	0.142	0.155	0.316	0.079	0.006	0.075	0.081	0.1	0.182	0.31
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/19/86-12/16/98	10	20.	20.1	33.	9.	49.211	7.015	9.5	14.	24.25	32.5
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	1	48.	48.	48.	48.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	1	38.	38.	38.	38.	0.	0.	**	**	**	**
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	10##	2.25	2.05	5.	0.5	1.914	1.383	0.5	0.875	2.625	4.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	10##	1.	1.45	2.5	0.5	0.692	0.832	0.5	0.875	2.5	2.5
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	10##	0.75	1.45	4.	0.	1.747	1.322	0.05	0.5	2.5	3.85
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	10##	0.03	0.05	0.15	0.02	0.002	0.042	0.02	0.02	0.073	0.143
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	10##	0.008	0.012	0.03	0.005	0.	0.01	0.005	0.005	0.015	0.03
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	10	0.48	0.424	0.8	0.04	0.072	0.268	0.041	0.103	0.633	0.787
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	10	0.2	0.276	0.5	0.16	0.014	0.117	0.164	0.2	0.4	0.49
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	10##	0.05	0.065	0.1	0.05	0.001	0.024	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	10	0.025	0.026	0.05	0.01	0.	0.016	0.01	0.01	0.043	0.05
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	8	2.6	2.612	3.9	1.6	0.444	0.666	**	**	**	**

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Annual Analysis for 1988 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/06/87-12/16/98	10	23.	24.6	36.	18.	32.044	5.661	18.2	20.	27.5	35.6
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	3	7.	7.333	9.	6.	2.333	1.528	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/03/88-12/16/98	2	4.5	4.5	5.	4.	0.5	0.707	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	11/03/88-02/25/93	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	6 ##	75.	91.667	200.	50.	3416.667	58.452	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	6 ##	1.849	1.9	2.301	1.699	0.06	0.246	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	79.37								

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Annual Analysis for 1989 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	8	16.55	15.575	25.9	4.1	78.105	8.838	**	**	**	**
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	5	72.	69.8	90.	48.	232.2	15.238	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	4	68.5	94.25	180.	60.	3292.25	57.378	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	9	9.	10.511	14.6	8.3	5.644	2.376	8.3	8.5	12.5	14.6
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	9	1.	1.389	2.	0.5	0.361	0.601	0.5	1.	2.	2.
00340p	COD, 25N K2CR2O7 MG/L	07/30/79-12/16/98	9	9.	9.667	19.	4.	22.	4.69	4.	5.5	12.5	19.
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	8	7.6	7.55	7.9	7.	0.063	0.251	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	8	7.6	7.472	7.9	7.	0.07	0.264	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	8	0.025	0.034	0.1	0.013	0.001	0.027	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	9	6.9	6.822	7.	6.5	0.032	0.179	6.5	6.7	7.	7.
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	9	6.9	6.788	7.	6.5	0.033	0.182	6.5	6.7	7.	7.
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/19/86-12/16/98	9	0.126	0.163	0.316	0.1	0.005	0.073	0.1	0.1	0.2	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/19/86-12/16/98	9	20.	19.556	24.	13.	10.528	3.245	13.	18.	22.	24.
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	9	69.	69.778	89.	60.	74.194	8.614	60.	63.5	73.	89.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	9	19.	21.556	50.	7.	147.528	12.146	7.	14.	24.5	50.
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	9	50.	48.222	70.	19.	195.444	13.98	19.	43.	56.5	70.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	9	5.	7.167	33.	0.5	99.5	9.975	0.5	2.	7.	33.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	9	2.	2.222	7.	0.5	4.132	2.033	0.5	0.75	3.	7.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	9	2.	5.056	26.	0.5	64.403	8.025	0.5	1.	5.	26.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	10 ##	0.02	0.024	0.05	0.02	0.	0.01	0.02	0.02	0.023	0.048
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	10 ##	0.008	0.011	0.03	0.005	0.	0.008	0.005	0.005	0.013	0.029
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	10	0.67	0.629	0.83	0.26	0.03	0.174	0.276	0.555	0.75	0.828
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	10	0.25	0.31	0.5	0.2	0.017	0.129	0.2	0.2	0.425	0.5
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	10 ##	0.05	0.08	0.2	0.05	0.002	0.048	0.05	0.05	0.1	0.19
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	10	0.02	0.025	0.06	0.01	0.	0.014	0.01	0.018	0.03	0.057
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	9	2.6	3.078	6.1	1.2	2.254	1.501	1.2	2.15	4.1	6.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/06/87-12/16/98	9	24.	25.889	44.	16.	65.111	8.069	16.	21.	29.5	44.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	8	4.	4.625	7.	3.	2.268	1.506	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	11/03/88-12/16/98	7	5.	4.857	7.	3.	1.476	1.215	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	11/03/88-02/25/93	9 ##	0.05	0.061	0.1	0.05	0.	0.018	0.05	0.05	0.075	0.1
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	3	200.	150.	200.	50.	7500.	86.603	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	3	2.301	2.1	2.301	1.699	0.121	0.348	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	125.992								

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Annual Analysis for 1990 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	12	12.65	12.725	22.5	2.6	38.724	6.223	3.77	7.25	17.225	22.23
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	11	71.	73.273	87.	69.	25.618	5.061	69.2	70.	75.	84.8

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Annual Analysis for 1990 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	12	10.95	10.892	13.5	7.	3.846	1.961	7.51	9.525	12.7	13.47
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	12	2.	1.875	5.	0.5	1.778	1.334	0.5	0.625	2.75	4.4
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	12	6.	8.708	37.	0.5	93.657	9.678	1.25	3.25	9.5	30.4
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	7	7.5	7.4	8.1	6.3	0.34	0.583	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	7	7.5	6.998	8.1	6.3	0.528	0.727	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	7	0.032	0.1	0.501	0.008	0.032	0.178	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	12	6.6	6.7	7.9	6.3	0.175	0.418	6.3	6.5	6.775	7.6
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	12	6.6	6.59	7.9	6.3	0.188	0.433	6.3	6.5	6.775	7.6
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/19/86-12/16/98	12	0.251	0.257	0.501	0.013	0.02	0.141	0.047	0.169	0.316	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/19/86-12/16/98	12	20.	31.167	158.	18.	1596.879	39.961	18.	18.25	21.	116.9
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	12	60.	87.5	390.	46.	9248.455	96.169	46.	47.75	76.	299.4
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	12	20.	22.583	57.	5.	236.992	15.395	5.3	10.5	28.75	53.4
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	12	41.	64.917	333.	2.	7328.811	85.608	11.9	37.75	55.5	250.5
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	12	4.	17.208	136.	0.5	1452.612	38.113	0.65	2.	14.25	102.7
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	12	2.	2.875	14.	0.5	13.369	3.656	0.65	1.	3.	11.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	12	2.	14.5	122.	0.5	1192.182	34.528	0.5	0.5	12.5	92.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	12##	0.02	0.059	0.35	0.02	0.009	0.094	0.02	0.02	0.055	0.269
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	12##	0.005	0.015	0.11	0.005	0.001	0.03	0.005	0.005	0.009	0.083
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	12	0.7	0.703	1.63	0.02	0.157	0.397	0.104	0.455	0.898	1.423
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	12	0.3	0.45	1.7	0.2	0.179	0.423	0.2	0.225	0.525	1.4
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	12##	0.075	0.117	0.5	0.05	0.017	0.129	0.05	0.05	0.1	0.41
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	12	0.02	0.057	0.33	0.005	0.009	0.092	0.005	0.02	0.045	0.27
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	12	2.3	2.908	7.4	1.4	2.737	1.654	1.52	2.1	3.05	6.62
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/06/87-12/16/98	11	28.	31.091	60.	22.	129.891	11.397	22.4	24.	34.	56.8
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	12	4.	4.	6.	3.	0.909	0.953	3.	3.	4.75	5.7
00945	SULFATE, TOTAL (MG/L AS SO4)	11/03/88-12/16/98	12	5.	4.917	7.	3.	1.356	1.165	3.3	4.	6.	6.7
00951	FLUORIDE, TOTAL (MG/L AS F)	11/03/88-02/25/93	12##	0.05	0.065	0.12	0.025	0.001	0.032	0.033	0.05	0.095	0.12

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1991 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	9	8.1	11.233	24.6	3.3	66.523	8.156	3.3	4.1	18.75	24.6
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	3	99.	4730.	14000.	91.	64449691.	8028.056	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	11	69.	71.455	87.	52.	115.073	10.727	54.2	65.	82.	86.2
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/91-12/16/98	2	10.9	10.9	11.	10.8	0.02	0.141	**	**	**	**
00300p	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	7	9.5	10.057	12.9	7.5	4.516	2.125	**	**	**	**
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	11	1.	1.318	2.	0.5	0.314	0.56	0.6	1.	2.	2.
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	11	6.	5.909	11.	2.	8.091	2.844	2.2	4.	6.	11.
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	7	6.8	7.071	7.8	6.6	0.222	0.472	**	**	**	**
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	7	6.8	6.905	7.8	6.6	0.255	0.505	**	**	**	**
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	7	0.158	0.125	0.251	0.016	0.008	0.091	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	11	6.9	6.945	7.5	6.5	0.095	0.308	6.5	6.8	7.2	7.44
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	11	6.9	6.851	7.5	6.5	0.105	0.323	6.5	6.8	7.2	7.44
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/19/86-12/16/98	11	0.126	0.141	0.316	0.032	0.009	0.097	0.038	0.063	0.158	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/19/86-12/16/98	11	19.	19.818	27.	12.	21.364	4.622	12.8	17.	24.	26.8
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	11	60.	59.727	105.	44.	303.618	17.425	44.2	45.	64.	98.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	11	18.	18.455	26.	10.	30.473	5.52	10.4	14.	24.	25.8
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	11	39.	41.273	79.	25.	203.618	14.269	26.2	32.	46.	72.8
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	11##	2.5	9.182	63.	1.5	330.114	18.169	1.5	1.5	8.	52.8
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	11##	1.5	2.182	8.	1.	3.914	1.978	1.	1.5	2.	6.9
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	11##	2.	7.909	55.	1.5	251.041	15.844	1.5	1.5	6.	46.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	12##	0.02	0.039	0.1	0.02	0.001	0.027	0.02	0.02	0.065	0.091
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	12##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.005	0.01
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	12	0.5	0.499	1.1	0.02	0.127	0.357	0.02	0.168	0.778	1.031
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	12	0.3	0.308	0.5	0.2	0.01	0.1	0.2	0.2	0.4	0.47

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Annual Analysis for 1991 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	12 ##	0.05	0.067	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	12	0.015	0.019	0.06	0.005	0.	0.015	0.007	0.01	0.02	0.051
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	11	2.6	2.427	3.4	0.9	0.75	0.866	0.94	1.6	3.3	3.38
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/06/87-12/16/98	11	24.	23.	40.	4.	69.8	8.355	7.2	20.	26.	37.4
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	11	3.	3.727	5.	3.	0.818	0.905	3.	3.	5.	5.
00945	SULFATE, TOTAL (MG/L AS SO ₄)	11/03/88-12/16/98	11	4.	4.273	6.	3.	1.018	1.009	3.	4.	5.	6.
00951	FLUORIDE, TOTAL (MG/L AS F)	11/03/88-02/25/93	10	0.11	0.146	0.56	0.05	0.023	0.151	0.05	0.05	0.15	0.519
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	7	170.	463.286	1700.	45.	391978.905	626.082	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	7	2.23	2.302	3.23	1.653	0.38	0.616	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	200.587								

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Annual Analysis for 1992 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	12	13.	13.925	23.9	3.9	46.697	6.833	4.53	7.7	20.7	23.63
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	12	73.	72.583	92.	46.	150.811	12.28	51.1	64.5	82.5	89.9
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	12	69.5	70.917	96.	56.	108.083	10.396	57.8	63.5	74.	91.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/91-12/16/98	12	9.15	9.392	12.7	6.9	2.384	1.544	7.2	8.3	10.2	12.16
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	12	1.	1.75	5.	1.	1.659	1.288	1.	1.	2.75	4.4
00340p	COD, .25N K ₂ CR ₂ O ₇ MG/L	07/30/79-12/16/98	12	10.	14.417	37.	5.	115.72	10.757	5.	8.	21.75	35.5
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	12	7.25	7.233	8.1	6.	0.308	0.555	6.18	7.025	7.6	8.01
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	12	7.247	6.839	8.1	6.	0.477	0.691	6.18	7.025	7.6	8.01
00400p	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	09/16/74-12/16/98	12	0.057	0.145	1.	0.008	0.077	0.277	0.01	0.025	0.095	0.775
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	12	7.	7.025	7.4	6.7	0.057	0.238	6.73	6.8	7.2	7.4
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	12	7.	6.97	7.4	6.7	0.06	0.245	6.73	6.8	7.2	7.4
00403	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	03/19/86-12/16/98	12	0.1	0.107	0.2	0.04	0.003	0.053	0.04	0.063	0.158	0.187
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	03/19/86-12/16/98	12	16.	16.167	23.	7.	18.152	4.26	8.8	13.5	18.75	22.7
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	12	60.5	74.333	226.	21.	2813.515	53.043	24.6	44.75	84.75	190.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	11	17.	20.091	40.	10.	120.891	10.995	10.	10.	25.	40.
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	12	39.	51.833	205.	11.	2721.061	52.164	11.	22.25	62.25	166.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	12	6.	34.458	148.	1.	3007.021	54.836	1.15	1.5	45.	147.7
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	12	1.5	5.	21.	1.	50.818	7.129	1.	1.125	4.75	20.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	12	3.5	26.208	129.	1.	2295.112	47.907	1.15	1.5	23.75	128.1
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	12 ##	0.02	0.042	0.1	0.02	0.001	0.034	0.02	0.02	0.075	0.1
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	12	0.01	0.018	0.07	0.005	0.	0.018	0.005	0.005	0.02	0.058
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	12	0.57	0.566	1.03	0.26	0.05	0.224	0.269	0.37	0.703	0.955
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	12	0.25	0.467	1.1	0.2	0.13	0.36	0.2	0.2	0.875	1.07
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	12	0.1	0.129	0.4	0.05	0.017	0.129	0.05	0.05	0.1	0.4
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	4	0.015	0.016	0.03	0.005	0.	0.011	**	**	**	**
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	12	3.4	5.208	12.3	1.3	14.628	3.825	1.42	2.125	9.275	11.58
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/06/87-12/16/98	12	24.5	25.	28.	22.	5.636	2.374	22.	22.5	27.75	28.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	11	4.	3.636	5.	2.	0.855	0.924	2.2	3.	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO ₄)	11/03/88-12/16/98	11	4.	5.273	9.	4.	3.218	1.794	4.	4.	6.	8.8
00951	FLUORIDE, TOTAL (MG/L AS F)	11/03/88-02/25/93	11 ##	0.05	0.095	0.25	0.05	0.005	0.069	0.05	0.05	0.15	0.23
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	10	160.	1890.7	8000.	9.	7811344.456	2794.878	13.1	50.	4325.	7670.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	10	2.171	2.496	3.903	0.954	1.042	1.021	1.029	1.699	3.635	3.88
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	313.417								
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	8	0.035	0.054	0.15	0.01	0.003	0.053	**	**	**	**

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Annual Analysis for 1993 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	11	16.2	14.982	26.7	2.4	76.812	8.764	2.96	5.8	23.8	26.66
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	11	78.	75.727	84.	66.	38.218	6.182	66.	71.	82.	83.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	11	70.	69.364	80.	60.	31.255	5.591	60.4	65.	73.	78.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/91-12/16/98	11	9.1	9.609	12.5	6.8	3.969	1.992	6.8	8.5	11.2	12.48
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	10	1.	1.	2.	0.5	0.167	0.408	0.5	0.875	1.	1.9
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	10	8.	8.25	13.	2.5	8.625	2.937	2.95	7.	9.75	12.9
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	11	7.1	7.236	7.9	6.6	0.145	0.38	6.66	7.	7.6	7.86
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	11	7.1	7.099	7.9	6.6	0.165	0.407	6.66	7.	7.6	7.86
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	11	0.079	0.08	0.251	0.013	0.004	0.067	0.014	0.025	0.1	0.226
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	11	7.	6.864	7.6	6.2	0.189	0.434	6.22	6.5	7.1	7.56
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	11	7.	6.681	7.6	6.2	0.225	0.474	6.22	6.5	7.1	7.56
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/19/86-12/16/98	11	0.1	0.208	0.631	0.025	0.039	0.197	0.028	0.079	0.316	0.605
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/19/86-12/16/98	11	19.	18.364	24.	13.	13.055	3.613	13.2	15.	21.	23.6
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	11	56.	63.727	119.	43.	455.618	21.345	43.8	52.	70.	111.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	11	16.	19.909	43.	7.	108.891	10.435	7.8	13.	30.	40.4
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	11	40.	43.818	76.	32.	160.564	12.671	32.4	36.	52.	71.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	3.	11.091	62.	1.5	317.591	17.821	1.5	1.5	13.	53.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	1.5	2.	5.	1.	1.3	1.14	1.	1.5	2.	4.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	2.	9.636	57.	1.5	269.355	16.412	1.5	1.5	11.	48.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	10##	0.02	0.019	0.02	0.005	0.	0.005	0.007	0.02	0.02	0.02
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	10##	0.005	0.008	0.02	0.005	0.	0.005	0.005	0.005	0.01	0.019
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	10	0.545	0.488	0.91	0.04	0.076	0.275	0.053	0.23	0.678	0.892
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	10	0.25	0.29	0.6	0.2	0.017	0.129	0.2	0.2	0.325	0.58
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	10##	0.075	0.085	0.2	0.05	0.002	0.047	0.05	0.05	0.1	0.19
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	10	3.1	3.68	6.6	2.3	2.175	1.475	2.3	2.45	5.1	6.45
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/06/87-12/16/98	10	23.	24.	30.	20.	11.556	3.399	20.	21.5	26.5	29.8
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	10	4.	4.2	6.	3.	0.844	0.919	3.	3.75	5.	5.9
00945	SULFATE, TOTAL (MG/L AS SO4)	11/03/88-12/16/98	10	3.5	9.9	60.	3.	312.767	17.685	3.	3.	7.	54.7
00951	FLUORIDE, TOTAL (MG/L AS F)	11/03/88-02/25/93	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	10	100.	620.	4100.	50.	1556222.222	1247.486	50.	50.	625.	3760
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	10	2.	2.263	3.613	1.699	0.439	0.663	1.699	1.699	2.795	3.536
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			183.399								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	10	0.02	0.023	0.06	0.01	0.	0.015	0.01	0.01	0.03	0.057

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Annual Analysis for 1994 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	11	16.	16.636	27.6	4.4	64.205	8.013	4.78	11.5	23.6	27.46
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/21/94-12/16/98	6	3.8	14.267	50.	1.8	378.923	19.466	**	**	**	**
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	11	79.	79.182	95.	65.	131.564	11.47	65.	69.	91.	94.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	11	72.	71.636	87.	58.	104.255	10.211	58.8	63.	81.	86.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/91-12/16/98	11	9.4	9.655	12.5	6.9	3.837	1.959	6.92	7.8	11.6	12.32
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	11	1.	1.018	2.	0.5	0.312	0.558	0.5	0.5	1.5	1.94
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	11	8.	8.818	17.	4.	11.964	3.459	4.4	6.	10.	16
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	11	7.1	7.227	7.8	6.9	0.096	0.31	6.9	7.	7.5	7.76
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	11	7.1	7.142	7.8	6.9	0.104	0.323	6.9	7.	7.5	7.76
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	11	0.079	0.072	0.126	0.016	0.002	0.041	0.018	0.032	0.1	0.126
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	11	6.5	6.6	7.1	6.3	0.05	0.224	6.32	6.5	6.8	7.04
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	11	6.5	6.555	7.1	6.3	0.052	0.228	6.32	6.5	6.8	7.04
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/19/86-12/16/98	11	0.316	0.278	0.501	0.079	0.014	0.118	0.095	0.158	0.316	0.481
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/19/86-12/16/98	11	20.	19.818	29.	13.	26.764	5.173	13.2	15.	24.	28.4
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	11	59.	67.545	99.	49.	342.873	18.517	49.6	53.	90.	98.4
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	11	15.	21.182	43.	7.	113.764	10.666	8.4	14.	27.	41.2
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	11	42.	46.364	64.	37.	91.855	9.584	37.4	40.	56.	63.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	5.	8.091	29.	1.5	76.791	8.763	1.5	1.5	9.	27.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1994 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	2.	2.818	8.	1.5	4.264	2.065	1.5	1.5	4.	7.4
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	1.5	5.864	25.	1.	56.205	7.497	1.1	1.5	7.	22.8
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	11 ##	0.02	0.03	0.1	0.02	0.001	0.025	0.02	0.02	0.02	0.09
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	11 ##	0.005	0.015	0.05	0.005	0.	0.017	0.005	0.005	0.03	0.048
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	11	0.5	0.507	0.83	0.11	0.055	0.233	0.122	0.33	0.71	0.808
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	11	0.3	0.332	0.6	0.05	0.031	0.176	0.06	0.2	0.4	0.6
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	11 ##	0.05	0.073	0.2	0.05	0.002	0.047	0.05	0.05	0.1	0.18
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	11	2.5	2.891	5.5	1.5	1.375	1.173	1.56	2.1	3.1	5.3
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/06/87-12/16/98	11	24.	24.091	29.	16.	12.291	3.506	17.2	22.	26.	28.8
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	11	4.	4.727	9.	3.	2.618	1.618	3.2	4.	5.	8.4
00945	SULFATE, TOTAL (MG/L AS SO ₄)	11/03/88-12/16/98	11	5.	4.727	6.	3.	1.018	1.009	3.2	4.	6.	6.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	11 ##	50.	109.091	400.	50.	12909.091	113.618	50.	50.	200.	360.
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	11 ##	1.699	1.891	2.602	1.699	0.114	0.337	1.699	1.699	2.301	2.542
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	77.72							
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	11	0.02	0.024	0.07	0.005	0.	0.018	0.006	0.01	0.03	0.064

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Annual Analysis for 1995 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	9	13.	14.656	26.5	0.3	95.69	9.782	0.3	5.6	24.3	26.5
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/21/94-12/16/98	9	5.8	6.011	9.1	2.9	5.001	2.236	2.9	3.95	7.95	9.1
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	9	80.	79.222	92.	68.	69.694	8.348	68.	70.5	86.5	92.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	9	74.	76.333	86.	64.	65.25	8.078	64.	70.5	86.	86.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/91-12/16/98	9	10.5	10.033	14.5	7.3	5.845	2.418	7.3	7.9	11.6	14.5
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	9 ##	0.5	0.833	1.6	0.5	0.183	0.427	0.5	0.5	1.2	1.6
00340p	COD, .25N K ₂ CR ₂ O ₇ MG/L	07/30/79-12/16/98	9	11.	11.722	23.	2.5	33.069	5.751	2.5	8.	14.5	23.
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	9	7.4	7.411	7.7	7.1	0.059	0.242	7.1	7.2	7.7	7.7
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	9	7.4	7.354	7.7	7.1	0.062	0.25	7.1	7.2	7.7	7.7
00400p	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	09/16/74-12/16/98	9	0.04	0.044	0.079	0.02	0.001	0.023	0.02	0.02	0.065	0.079
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	9	6.7	6.689	7.1	6.2	0.084	0.289	6.2	6.45	6.9	7.1
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	9	6.7	6.601	7.1	6.2	0.092	0.304	6.2	6.45	6.9	7.1
00403	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	03/19/86-12/16/98	9	0.2	0.25	0.631	0.079	0.031	0.177	0.079	0.126	0.357	0.631
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	03/19/86-12/16/98	9	20.	21.	27.	13.	20.	4.472	13.	18.5	25.5	27.
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	9	53.	54.556	63.	47.	31.028	5.57	47.	50.	60.	63.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	9	17.	18.778	40.	9.	83.444	9.135	9.	12.5	21.5	40.
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	9	40.	35.778	47.	13.	118.194	10.872	13.	28.5	43.	47.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	9	3.	5.722	16.	1.5	23.194	4.816	1.5	3.	9.	16.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	9 ##	1.5	2.889	14.	1.5	17.361	4.167	1.5	1.5	1.5	14.
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	9 ##	1.5	3.	9.	1.5	7.313	2.704	1.5	1.5	4.5	9.
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	9 ##	0.02	0.02	0.02	0.02	0.	0.	0.02	0.02	0.02	0.02
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	9 ##	0.005	0.009	0.03	0.005	0.	0.009	0.005	0.005	0.013	0.03
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	9	0.54	0.551	0.73	0.42	0.01	0.1	0.42	0.47	0.62	0.73
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	9	0.2	0.194	0.3	0.05	0.009	0.095	0.05	0.1	0.3	0.3
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	9 ##	0.05	0.083	0.2	0.05	0.003	0.05	0.05	0.05	0.1	0.2
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	9	4.4	4.811	10.4	2.2	6.056	2.461	2.2	3.15	6.	10.4
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/06/87-12/16/98	9	23.	25.222	36.	19.	31.194	5.585	19.	21.	30.	36.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	9	4.	4.444	6.	4.	0.528	0.726	4.	4.	5.	6.
00945	SULFATE, TOTAL (MG/L AS SO ₄)	11/03/88-12/16/98	9	5.	4.889	6.	4.	0.611	0.782	4.	4.	5.5	6.
31616p	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	8 ##	50.	118.75	300.	50.	9955.357	99.777	**	**	**	**
31616p	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	8 ##	1.699	1.947	2.477	1.699	0.12	0.346	**	**	**	**
31616p	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				GEOMETRIC MEAN =	88.461							
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	9	0.03	0.029	0.04	0.005	0.	0.012	0.005	0.02	0.04	0.04

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Annual Analysis for 1996 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	11	14.5	14.736	24.3	4.6	68.077	8.251	5.1	7.1	23.9	24.28
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/21/94-12/16/98	11	13.9	28.673	78.	4.1	678.906	26.056	4.62	7.9	52.	75.2
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	11	78.	79.091	92.	69.	52.691	7.259	69.2	75.	83.	91.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	11	72.	71.727	78.	64.	20.218	4.496	64.6	67.	75.	77.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/91-12/16/98	11	11.6	10.636	13.5	7.7	5.609	2.368	7.7	7.8	12.9	13.42
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	11 ##	0.5	0.727	2.	0.5	0.218	0.467	0.5	0.5	1.	1.8
00340p	COD,.25N K2CR2O7 MG/L	07/30/79-12/16/98	11	8.	9.091	19.	2.5	28.441	5.333	2.5	7.	15.	18.4
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	10	7.3	7.31	8.1	6.2	0.308	0.555	6.27	6.9	7.8	8.07
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	10	7.3	6.954	8.1	6.2	0.448	0.669	6.27	6.9	7.8	8.07
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	10	0.05	0.111	0.631	0.008	0.035	0.188	0.009	0.016	0.126	0.58
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	11	6.9	6.864	7.2	6.5	0.033	0.18	6.54	6.8	7.	7.16
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	11	6.9	6.829	7.2	6.5	0.034	0.184	6.54	6.8	7.	7.16
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/19/86-12/16/98	11	0.126	0.148	0.316	0.063	0.004	0.067	0.07	0.1	0.158	0.293
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/19/86-12/16/98	11	19.	18.273	23.	13.	7.618	2.76	13.6	16.	20.	22.4
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	11	72.	82.	123.	53.	666.2	25.811	53.2	59.	113.	122.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	11	19.	21.545	37.	9.	53.873	7.34	10.6	18.	27.	35.2
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	11	54.	60.455	96.	31.	510.673	22.598	32.	44.	76.	96.
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	13.	25.818	91.	3.	830.764	28.823	3.	4.	43.	85.
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	11 ##	1.5	3.409	10.	1.5	9.291	3.048	1.5	1.5	5.	9.6
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	11	11.	22.909	81.	3.	645.291	25.403	3.	4.	38.	75.4
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	11 ##	0.02	0.042	0.11	0.02	0.001	0.033	0.02	0.02	0.06	0.106
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	11	0.01	0.071	0.63	0.005	0.035	0.186	0.005	0.005	0.03	0.512
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	11	0.67	0.711	1.	0.53	0.018	0.134	0.546	0.62	0.8	0.972
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	11	0.3	0.336	0.8	0.1	0.049	0.22	0.1	0.2	0.5	0.76
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	11 ##	0.05	0.082	0.2	0.05	0.002	0.046	0.05	0.05	0.1	0.18
00680p	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	8	2.7	3.375	5.7	1.8	2.199	1.483	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/06/87-12/16/98	11	26.	26.909	32.	20.	14.091	3.754	20.8	24.	30.	32.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	11 ##	2.5	3.091	5.	2.5	1.091	1.044	2.5	2.5	4.	5.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/03/88-12/16/98	11	5.	4.773	6.	2.5	2.318	1.523	2.5	2.5	6.	6.
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	9	400.	977.778	4800.	50.	2411319.444	1552.842	50.	125.	1300.	4800.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	9	2.602	2.562	3.681	1.699	0.436	0.661	1.699	2.	3.04	3.681
31616p	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			365.076								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	11	0.03	0.043	0.1	0.01	0.001	0.031	0.012	0.02	0.08	0.096

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1997 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	11	11.8	13.691	26.7	2.4	72.817	8.533	2.52	4.5	21.9	25.98
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/21/94-12/16/98	12	5.4	14.325	86.	2.	565.28	23.776	2.12	2.725	10.925	68.9
00094p	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	11	83.	83.727	105.	66.	98.618	9.931	67.8	78.	87.	102.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	12	72.5	72.667	88.	56.	61.879	7.866	59.	69.25	76.75	85.9
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/91-12/16/98	11	12.2	11.827	15.2	8.7	4.508	2.123	8.78	10.3	13.4	15.04
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	12 ##	0.75	0.833	2.	0.5	0.197	0.444	0.5	0.5	1.	1.7
00340p	COD,.25N K2CR2O7 MG/L	07/30/79-12/16/98	12	7.5	8.208	17.	2.5	25.566	5.056	2.5	3.125	13.5	16.4
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	11	7.4	7.373	7.8	6.3	0.184	0.429	6.46	7.2	7.8	7.8
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	11	7.4	7.095	7.8	6.3	0.269	0.519	6.46	7.2	7.8	7.8
00400p	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	11	0.04	0.08	0.501	0.016	0.02	0.141	0.016	0.016	0.063	0.417
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	12	6.9	6.858	7.1	6.5	0.024	0.156	6.56	6.8	6.975	7.07
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	12	6.9	6.83	7.1	6.5	0.025	0.159	6.56	6.8	6.975	7.07
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/19/86-12/16/98	12	0.126	0.148	0.316	0.079	0.004	0.062	0.086	0.106	0.158	0.281
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/19/86-12/16/98	12	21.5	21.25	29.	14.	15.295	3.911	14.9	19.	23.75	27.8
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	11	63.	69.091	163.	40.	1050.091	32.405	42.6	54.	68.	144.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	11	18.	21.	32.	14.	33.8	5.814	14.4	17.	26.	31.4
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	11	39.	48.091	131.	23.	848.291	29.125	24.8	33.	53.	115.6
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	12	3.5	15.625	126.	1.5	1234.915	35.141	1.5	1.875	10.5	93.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1997 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	12 ##	1.5	2.458	13.	1.5	11.021	3.32	1.5	1.5	1.5	9.55
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	12	3.	13.625	113.	1.5	1000.506	31.631	1.5	1.5	8.5	84.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	12 ##	0.02	0.202	2.	0.02	0.323	0.569	0.02	0.02	0.035	1.46
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	12 ##	0.005	0.01	0.03	0.005	0.	0.009	0.005	0.005	0.016	0.027
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	12	0.455	0.486	0.84	0.09	0.058	0.242	0.12	0.263	0.73	0.819
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	12	0.3	0.3	0.9	0.1	0.044	0.209	0.1	0.2	0.3	0.75
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	12 ##	0.05	0.075	0.3	0.05	0.005	0.072	0.05	0.05	0.05	0.24
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/06/87-12/16/98	12	25.	24.167	28.	19.	6.879	2.623	19.3	23.	25.75	27.7
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	12 ##	2.5	3.542	6.	2.5	2.021	1.422	2.5	2.5	4.75	6.
00945	SULFATE, TOTAL (MG/L AS SO ₄)	11/03/88-12/16/98	12	5.	4.75	6.	2.5	1.977	1.406	2.5	3.25	6.	6.
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	12 ##	50.	770.833	8000.	50.	5196117.424	2279.499	50.	50.	250.	5720.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	12 ##	1.699	2.073	3.903	1.699	0.435	0.659	1.699	1.699	2.358	3.513
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	118.283								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	12	0.02	0.034	0.12	0.01	0.001	0.033	0.01	0.02	0.03	0.108

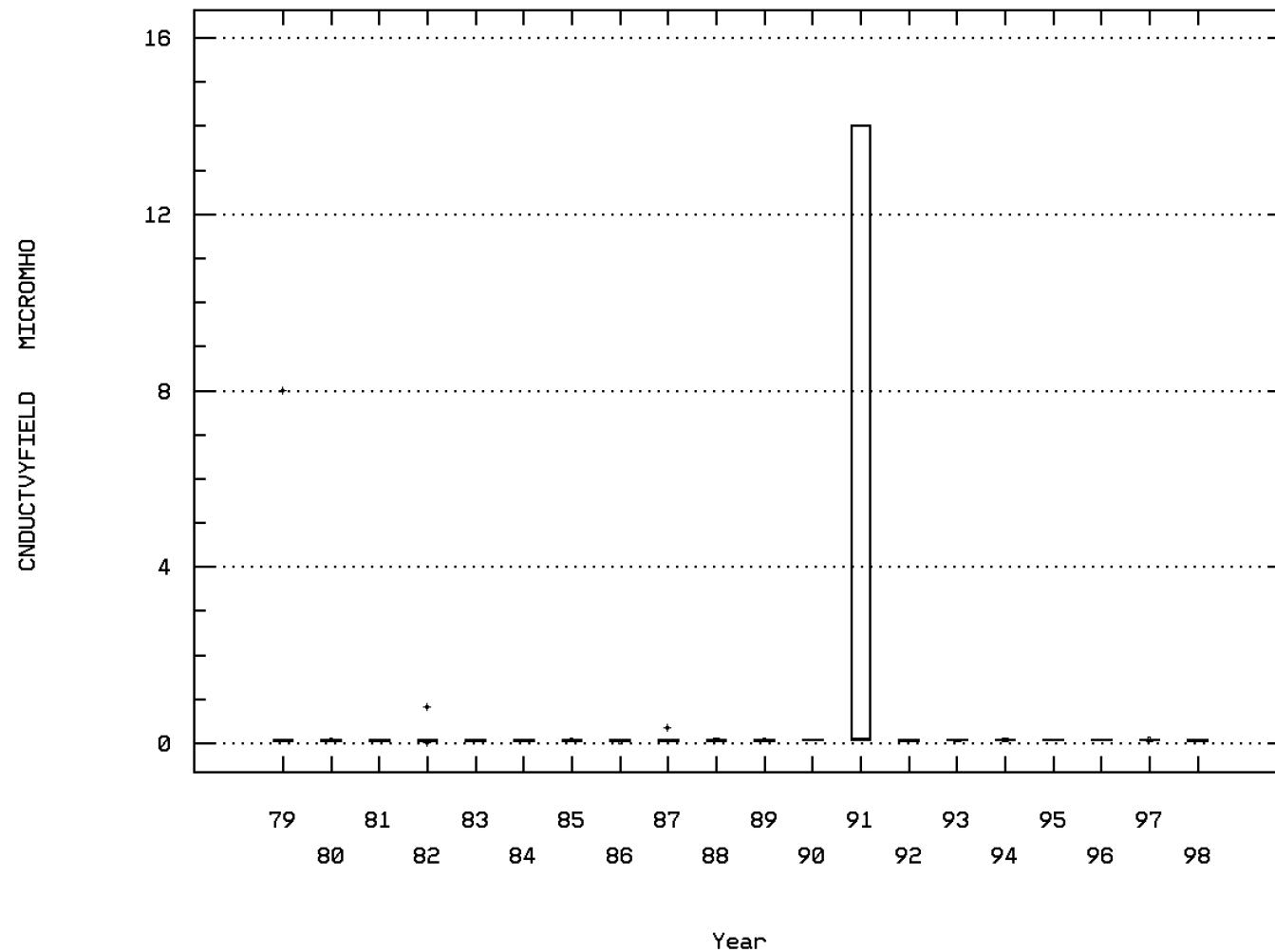
** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Annual Analysis for 1998 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	13	14.1	15.446	28.8	4.3	84.136	9.173	4.42	6.95	24.4	28.28
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	07/21/94-12/16/98	12	7.45	20.908	138.	2.1	1447.586	38.047	2.43	3.675	17.9	107.1
00094p	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	13	72.	71.385	81.	54.	76.923	8.771	56.4	63.5	79.5	80.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	12	77.5	80.75	166.	49.	909.114	30.152	51.1	59.5	87.	142.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/91-12/16/98	13	9.7	10.085	13.	6.8	4.595	2.144	6.92	8.55	12.3	12.96
00310p	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	12 ##	1.	1.25	3.	1.	0.386	0.622	1.	1.	1.	2.7
00340p	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	12 ##	4.25	5.75	14.	2.5	15.523	3.94	2.5	2.5	8.	13.1
00400p	PH (STANDARD UNITS)	09/16/74-12/16/98	13	7.3	7.454	8.4	6.8	0.288	0.536	6.8	6.9	7.95	8.28
00400p	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	13	7.3	7.207	8.4	6.8	0.353	0.595	6.8	6.9	7.95	8.28
00400p	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	09/16/74-12/16/98	13	0.05	0.062	0.158	0.004	0.003	0.059	0.006	0.012	0.126	0.158
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	12	6.5	6.542	6.9	6.3	0.037	0.193	6.3	6.4	6.7	6.87
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	12	6.5	6.506	6.9	6.3	0.039	0.197	6.3	6.4	6.7	6.87
00403	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	03/19/86-12/16/98	12	0.316	0.312	0.501	0.126	0.015	0.124	0.136	0.2	0.398	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	03/19/86-12/16/98	12	20.	20.25	26.	14.	19.659	4.434	14.3	16.25	24.	26.
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	12	56.	67.	148.	49.	742.364	27.246	50.5	54.	69.5	128.8
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	12	17.5	18.75	36.	10.	52.568	7.25	10.	13.	21.	33.
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	12	42.5	48.25	112.	28.	477.841	21.86	30.7	37.25	49.75	97.3
00530p	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	13	8.	18.077	75.	1.5	528.535	22.99	1.5	3.5	24.5	67.4
00535p	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	13 ##	1.5	3.231	12.	1.5	12.984	3.603	1.5	1.5	3.25	11.2
00540p	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	13	6.	14.962	63.	1.5	373.228	19.319	1.5	2.25	21.	56.2
00610p	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	12 ##	0.02	0.028	0.11	0.02	0.001	0.026	0.02	0.02	0.02	0.083
00615p	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	12 ##	0.005	0.009	0.05	0.005	0.	0.013	0.005	0.005	0.005	0.037
00620p	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	12	0.465	0.468	0.91	0.02	0.062	0.25	0.089	0.275	0.615	0.877
00625p	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	12	0.3	0.333	0.8	0.2	0.028	0.167	0.2	0.2	0.4	0.68
00665p	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	12	0.1	0.104	0.2	0.05	0.004	0.062	0.05	0.05	0.175	0.2
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/06/87-12/16/98	12	24.5	24.083	31.	12.	24.629	4.963	14.1	22.25	27.	30.4
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	12 ##	2.5	3.708	6.	2.5	2.339	1.529	2.5	2.5	5.	6.
00945	SULFATE, TOTAL (MG/L AS SO ₄)	11/03/88-12/16/98	12	6.	5.208	7.	2.5	3.112	1.764	2.5	3.125	6.75	7.
31616p	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	10 ##	75.	345.	1300.	50.	198027.778	445.003	50.	50.	675.	1260.
31616p	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	10 ##	1.849	2.182	3.114	1.699	0.345	0.588	1.699	1.699	2.822	3.098
31616p	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	151.996								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	12	0.025	0.038	0.18	0.005	0.002	0.046	0.01	0.02	0.03	0.141

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

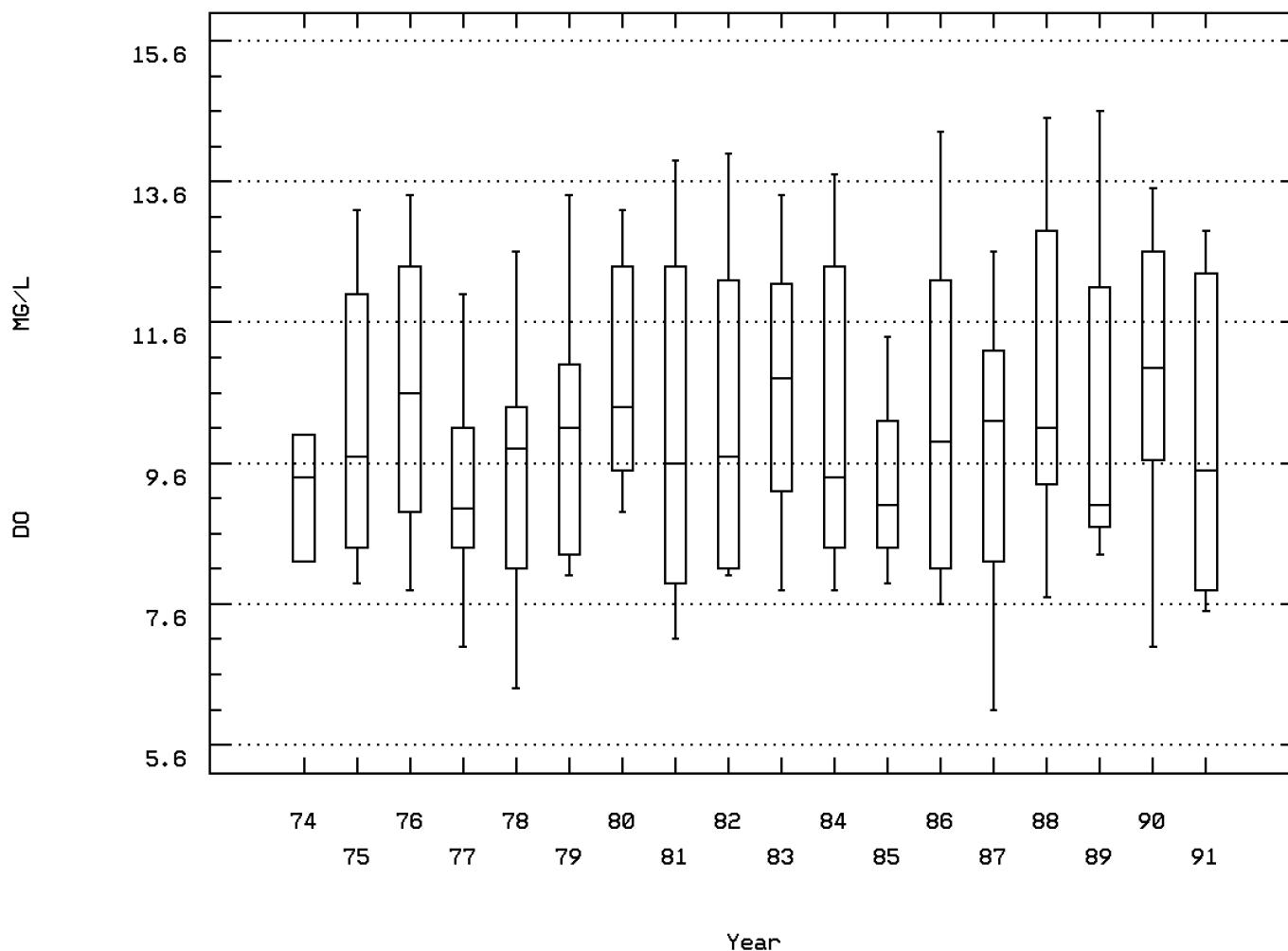
Station: FRSP0080 Parameter Code: 00094
SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @
(X 1000)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00300

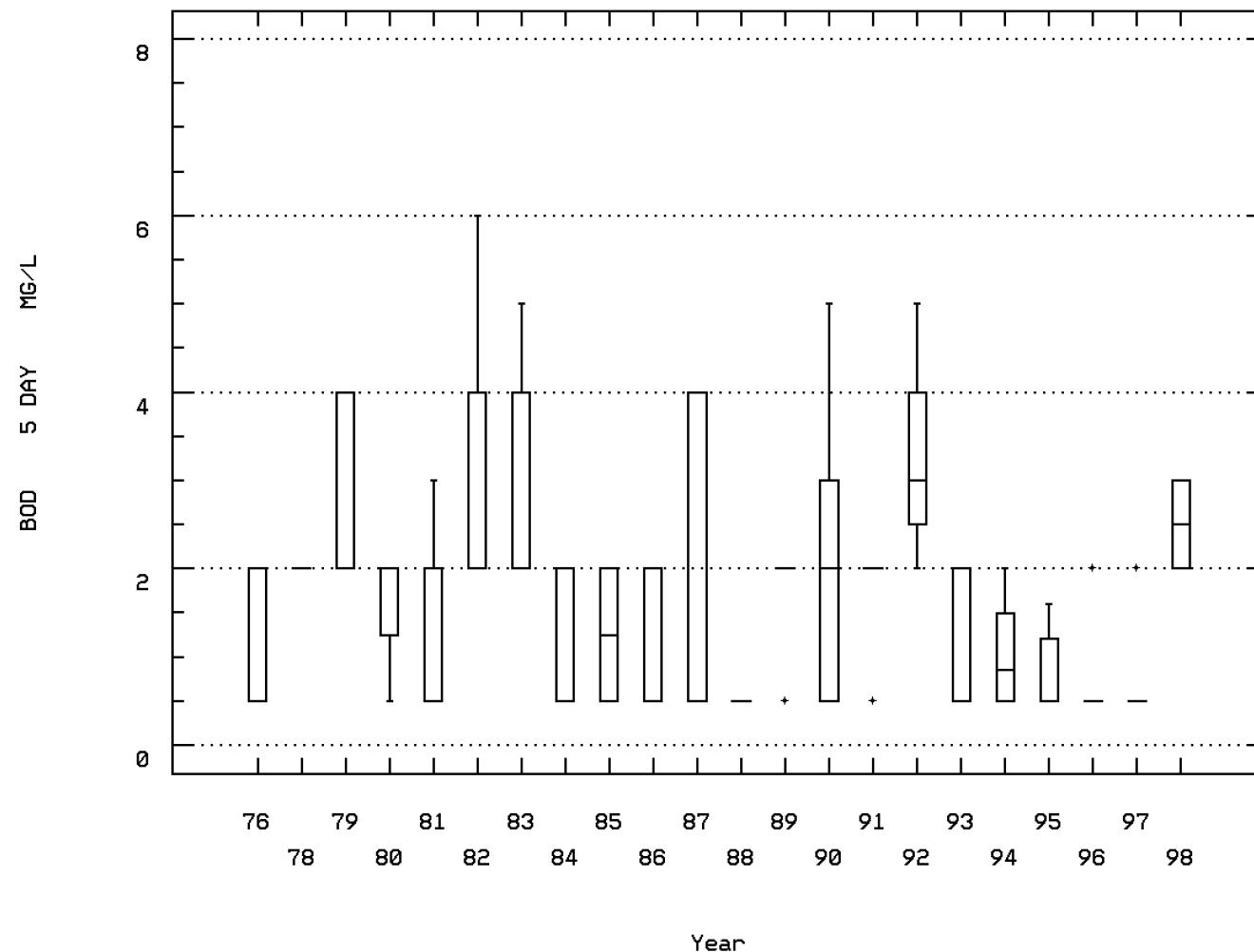
OXYGEN, DISSOLVED



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00310

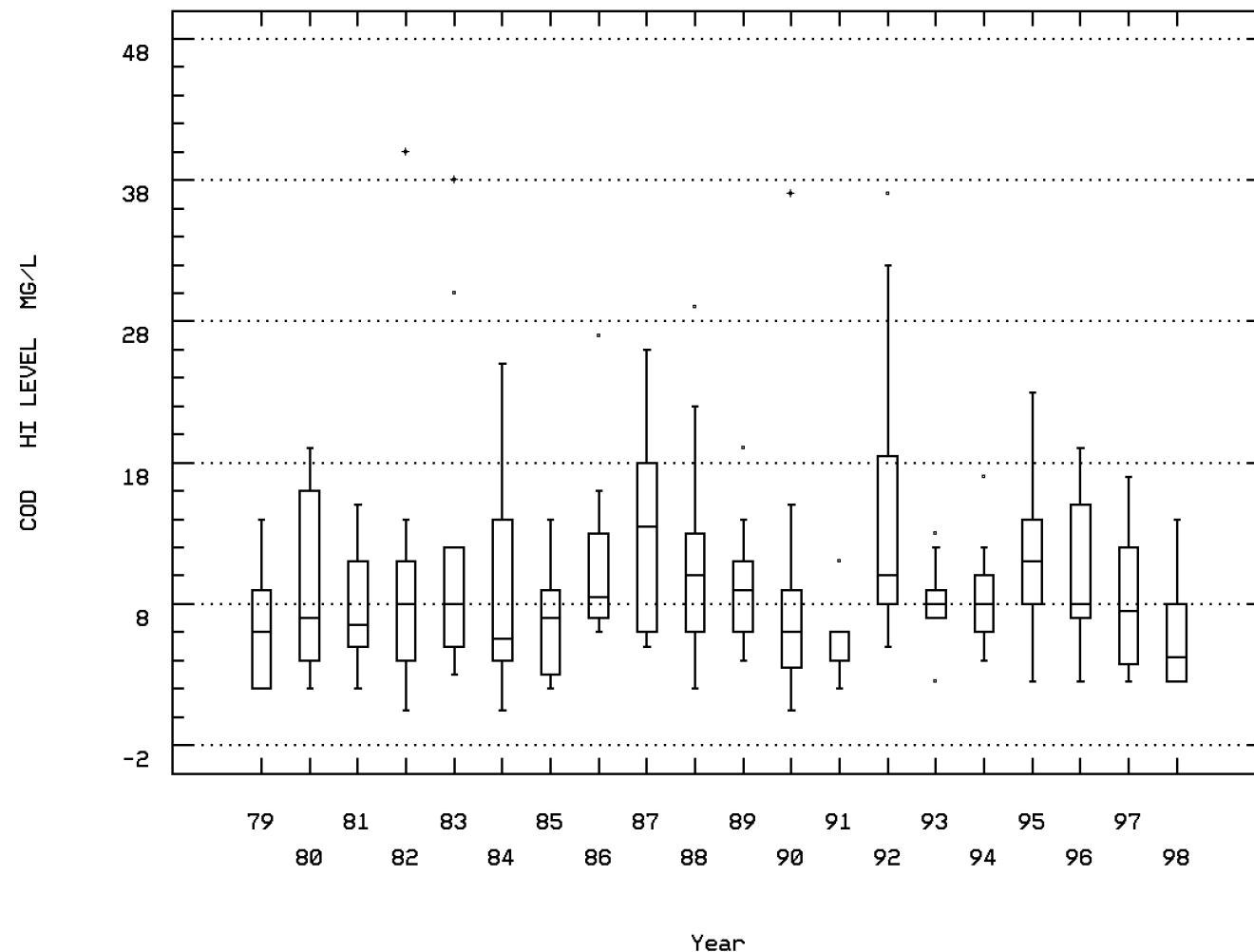
BOD, 5 DAY, 20 DEG C



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00340

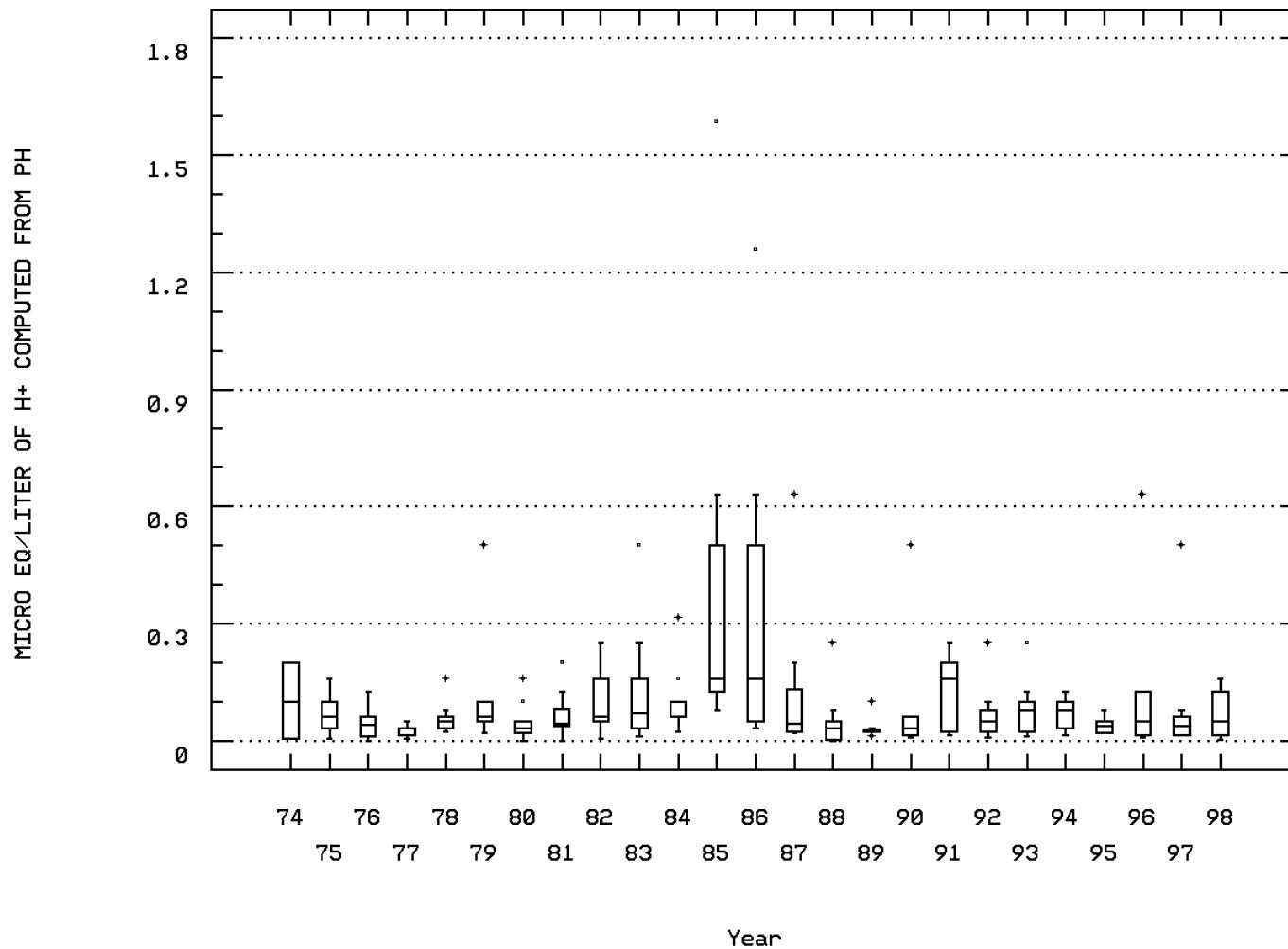
COD, .25N K2CR207



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00400

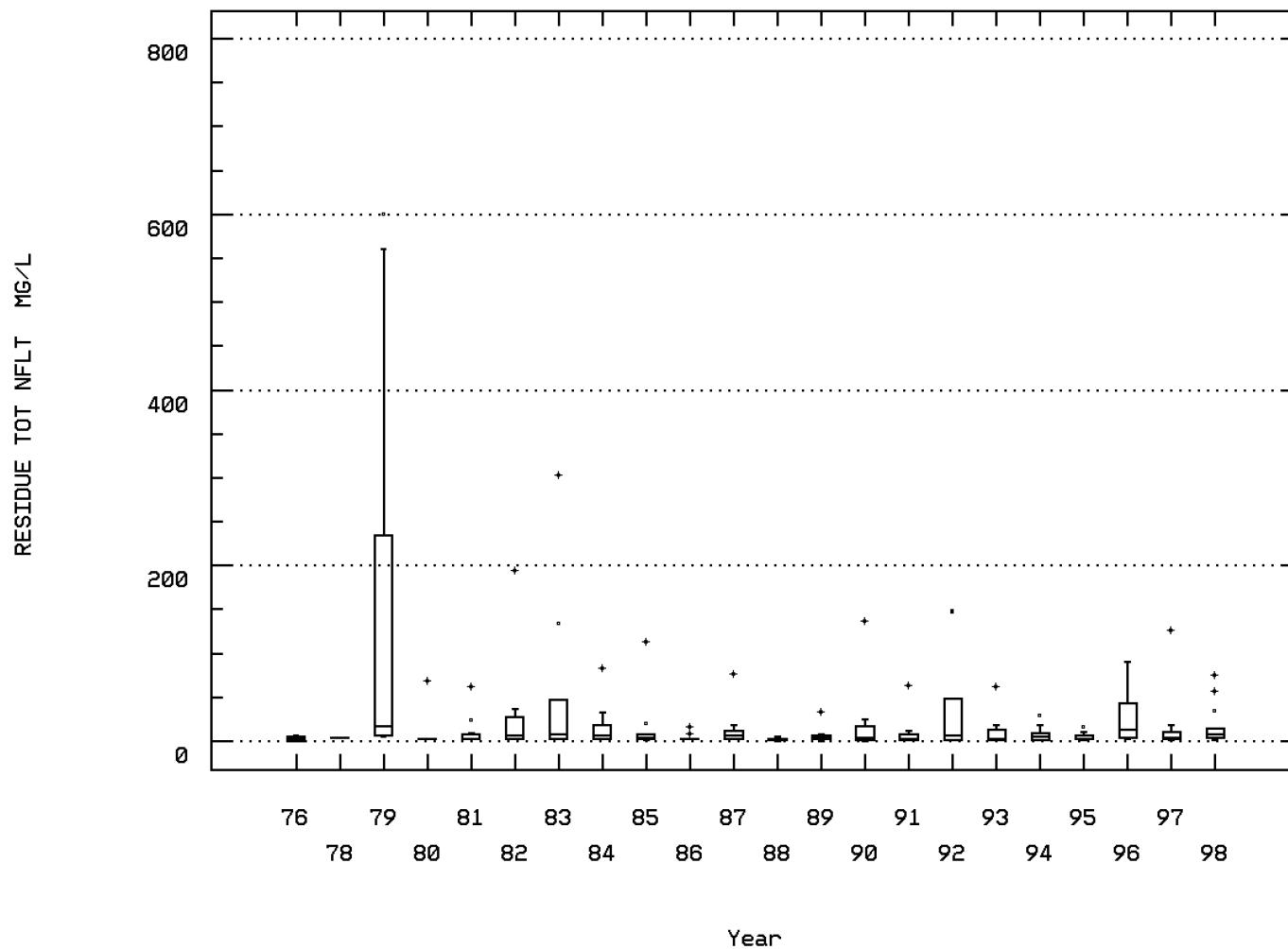
MICRO EQ/LITER OF H⁺ COMPUTED FROM PH



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00530

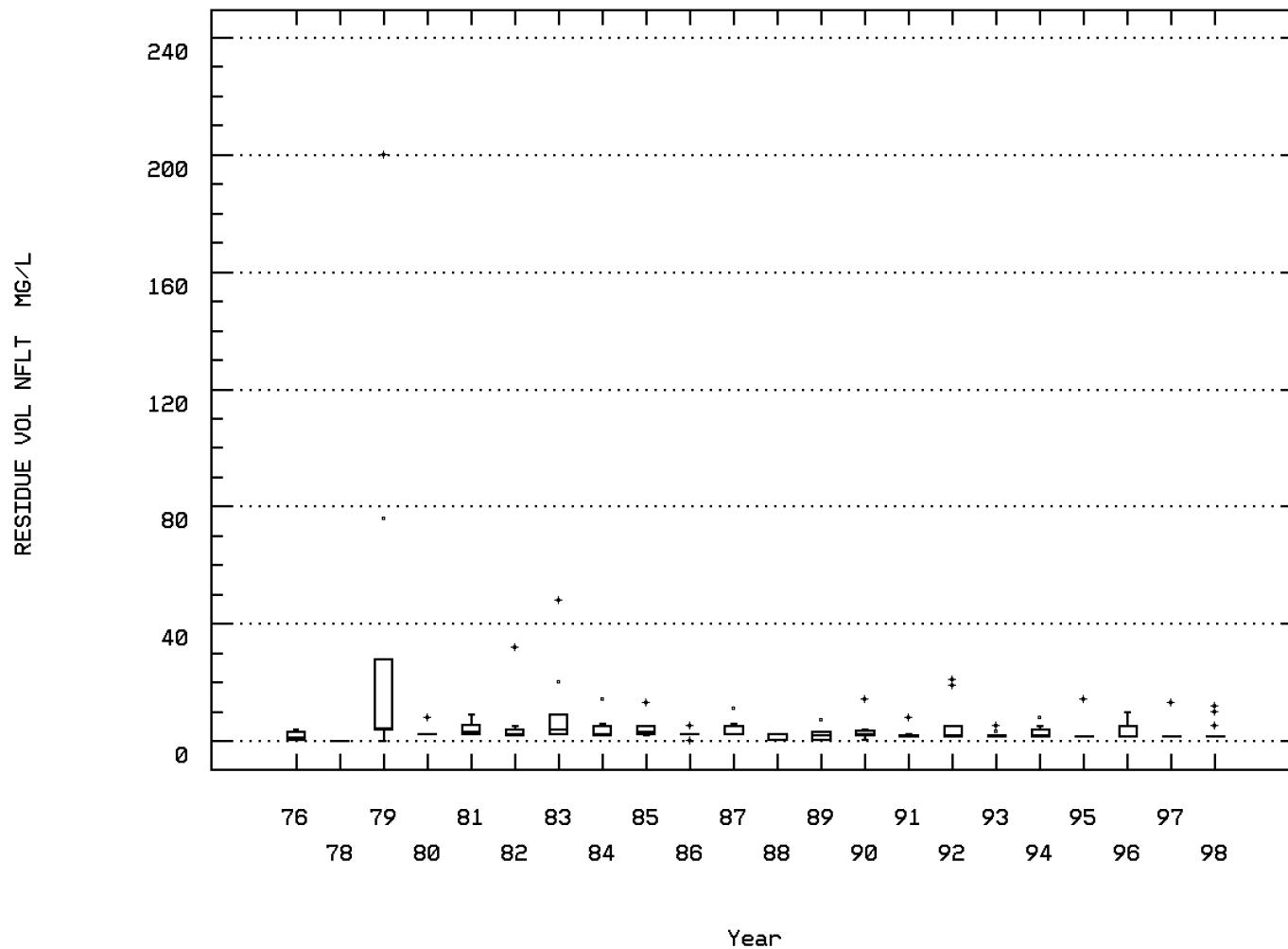
RESIDUE, TOTAL NONFILTRABLE (MG/L)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00535

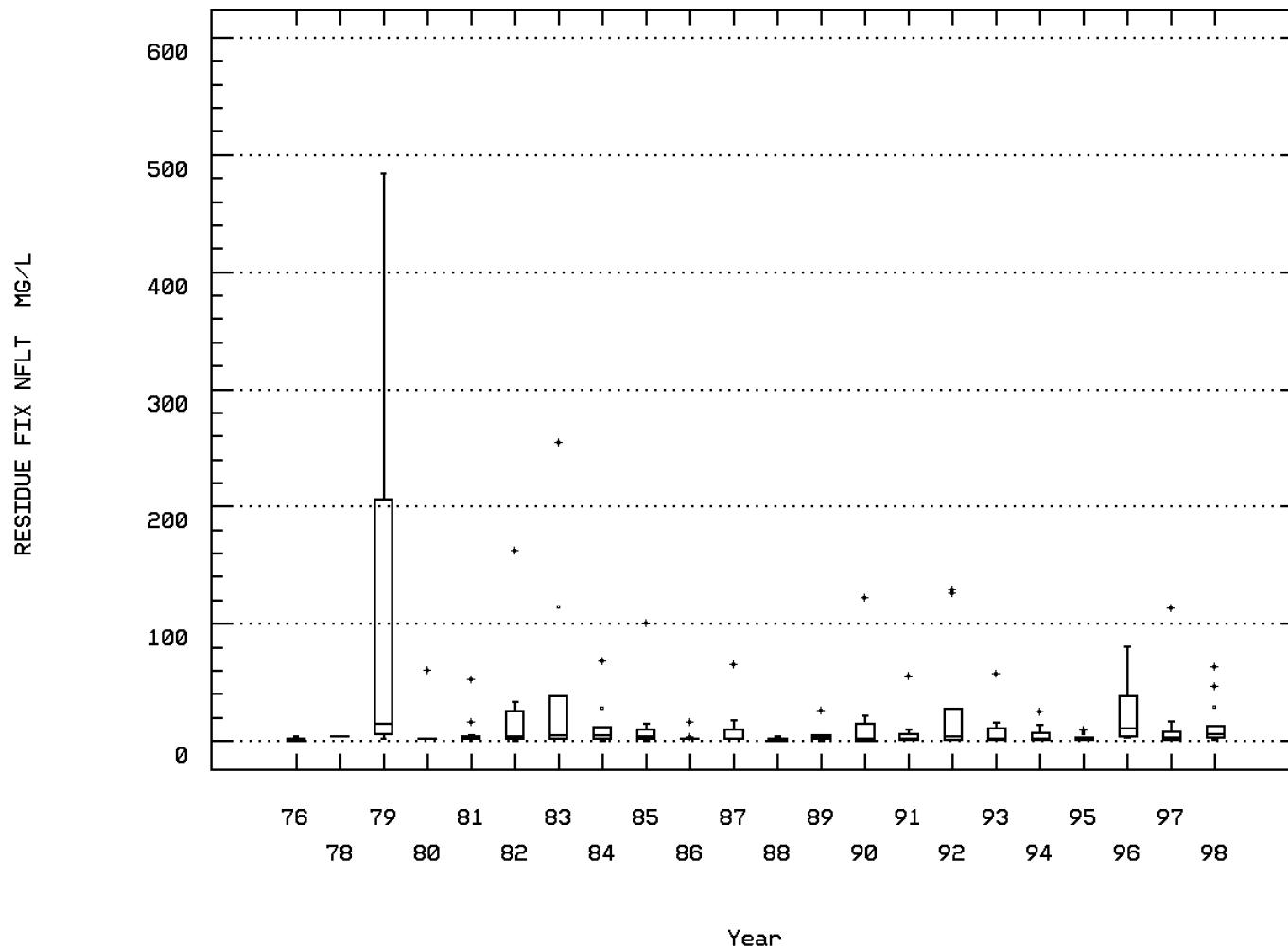
RESIDUE, VOLATILE NONFILTRABLE (MG/L)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00540

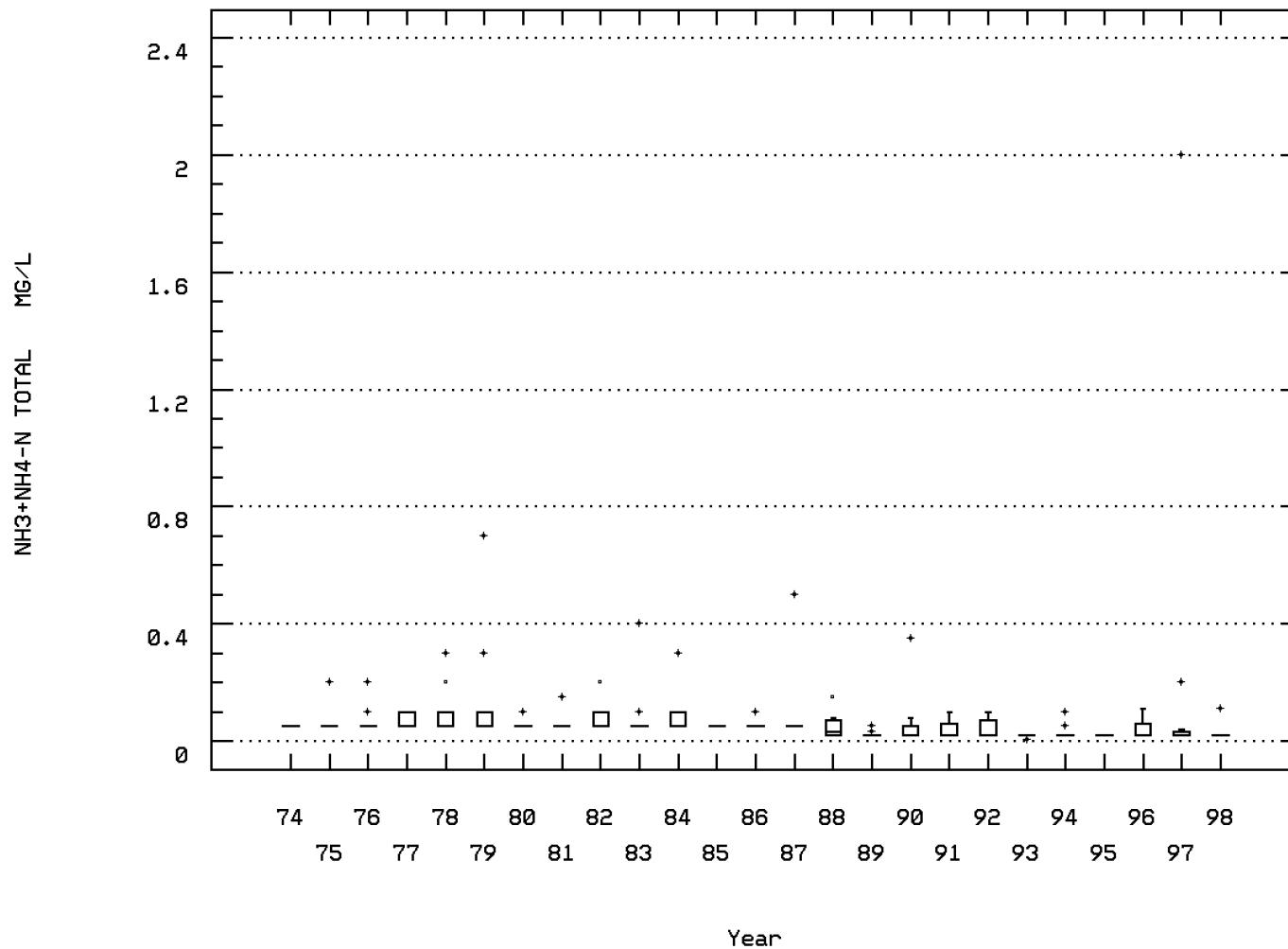
RESIDUE, FIXED NONFILTRABLE (MG/L)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00610

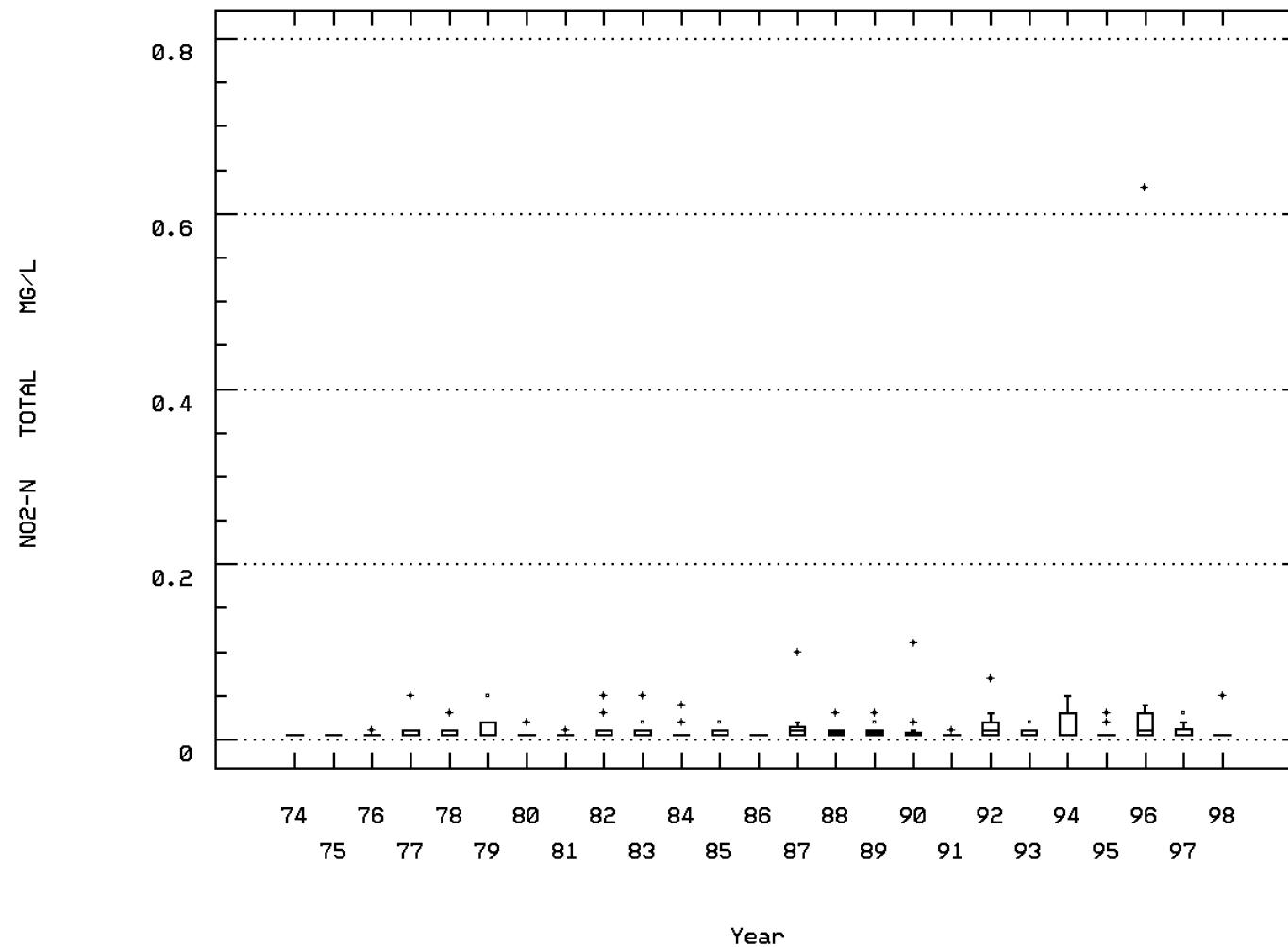
NITROGEN, AMMONIA, TOTAL (MG/L AS N)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00615

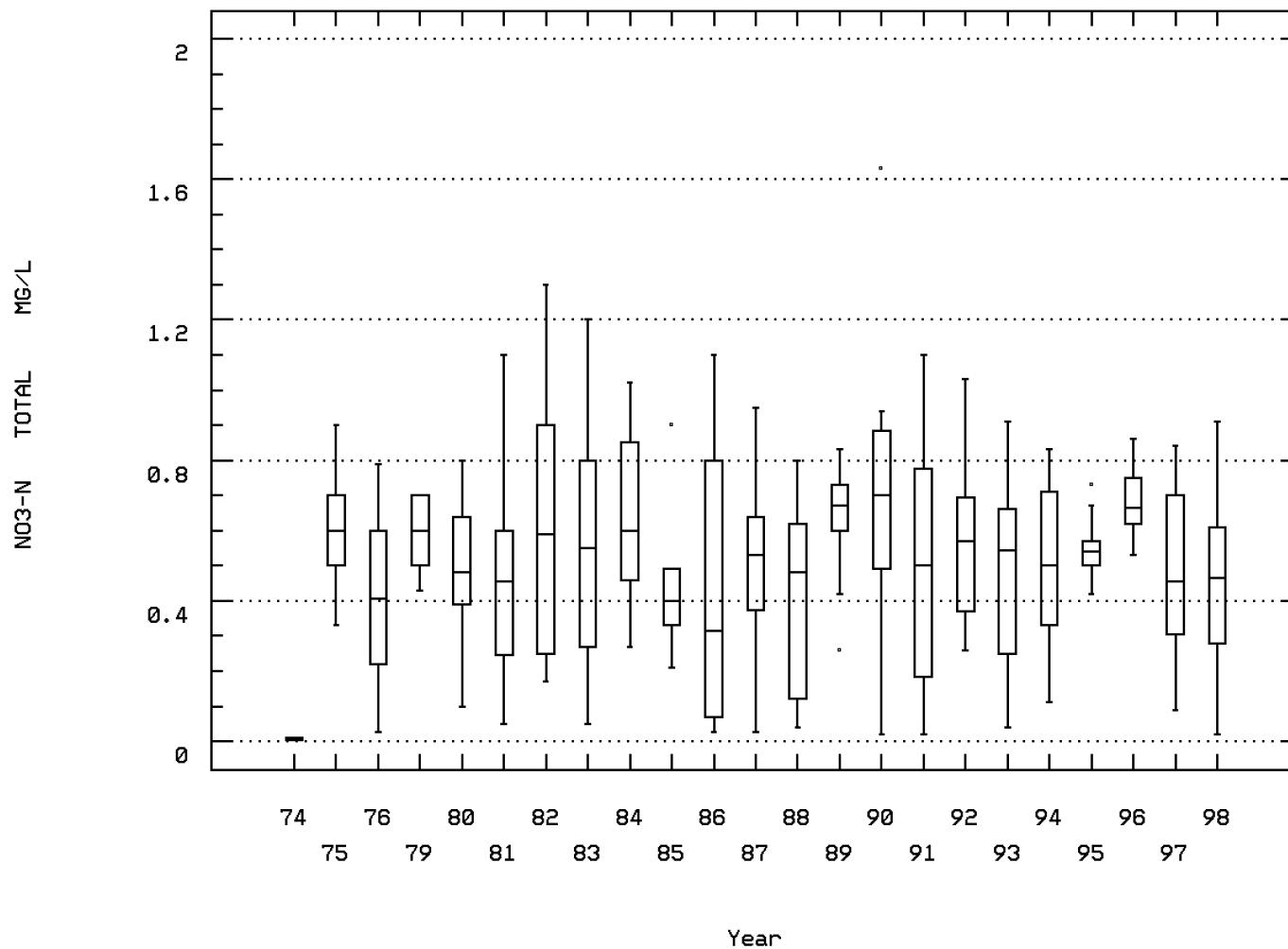
NITRITE NITROGEN, TOTAL (MG/L AS N)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00620

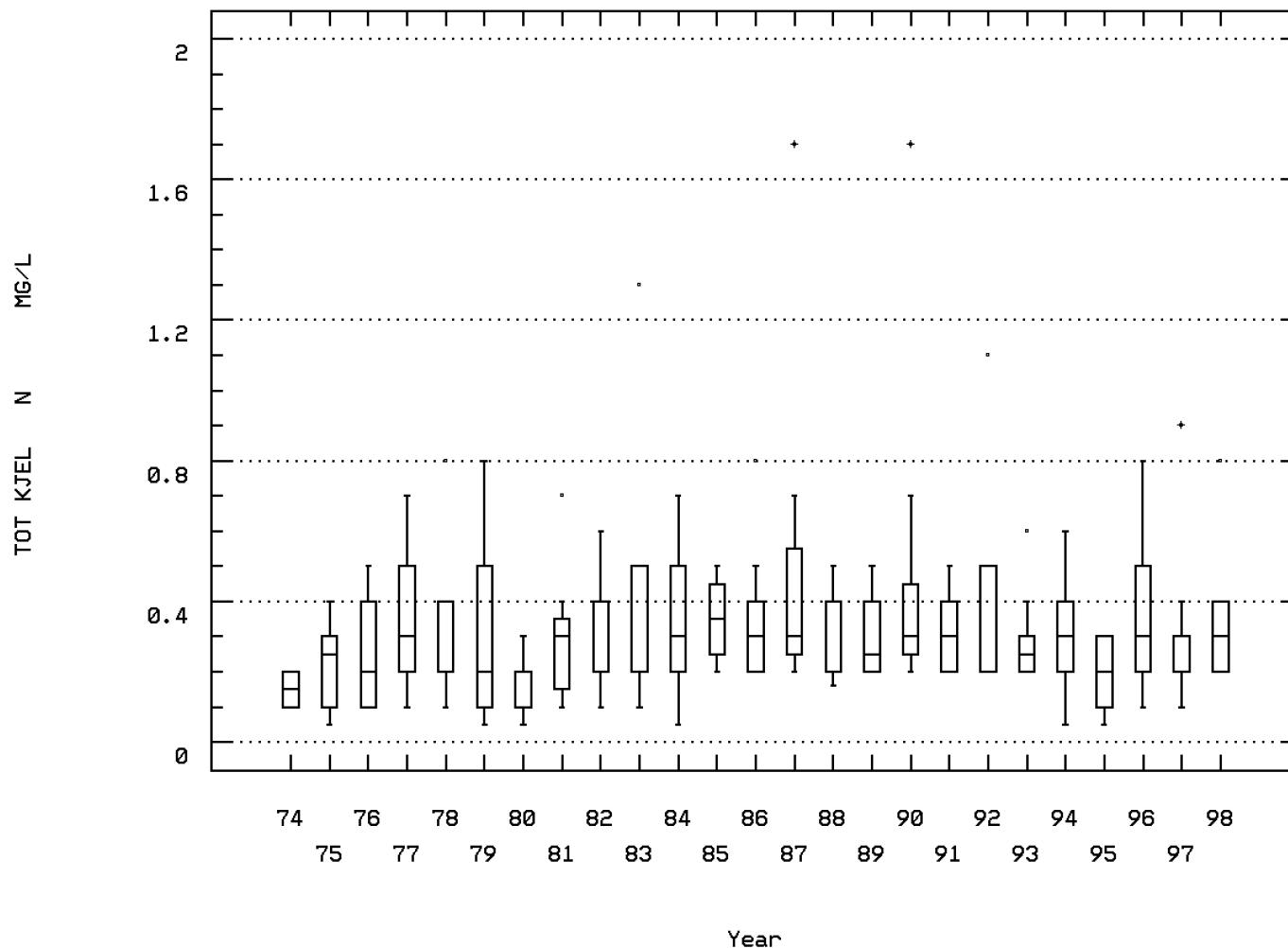
NITRATE NITROGEN, TOTAL (MG/L AS N)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00625

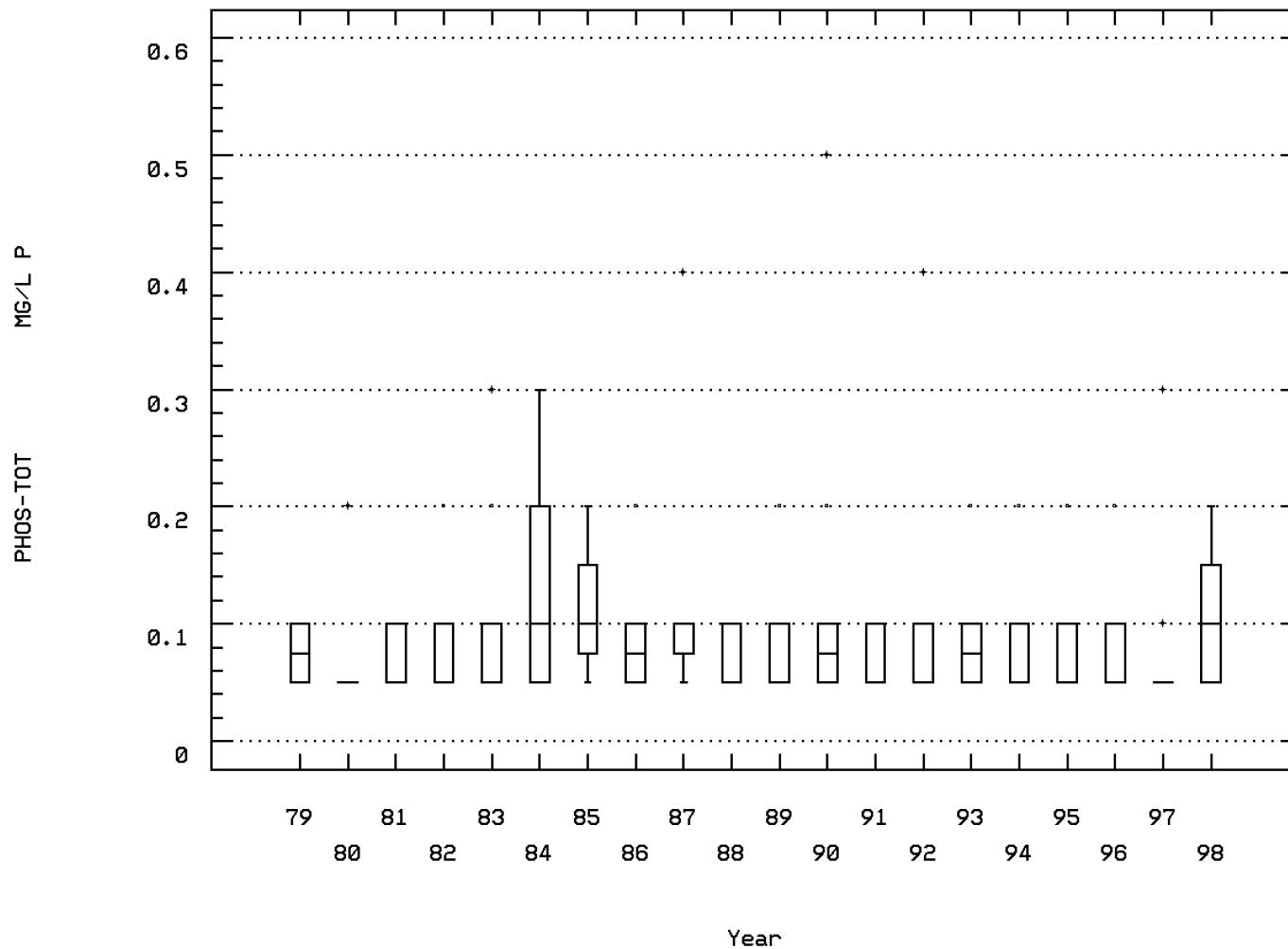
NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00665

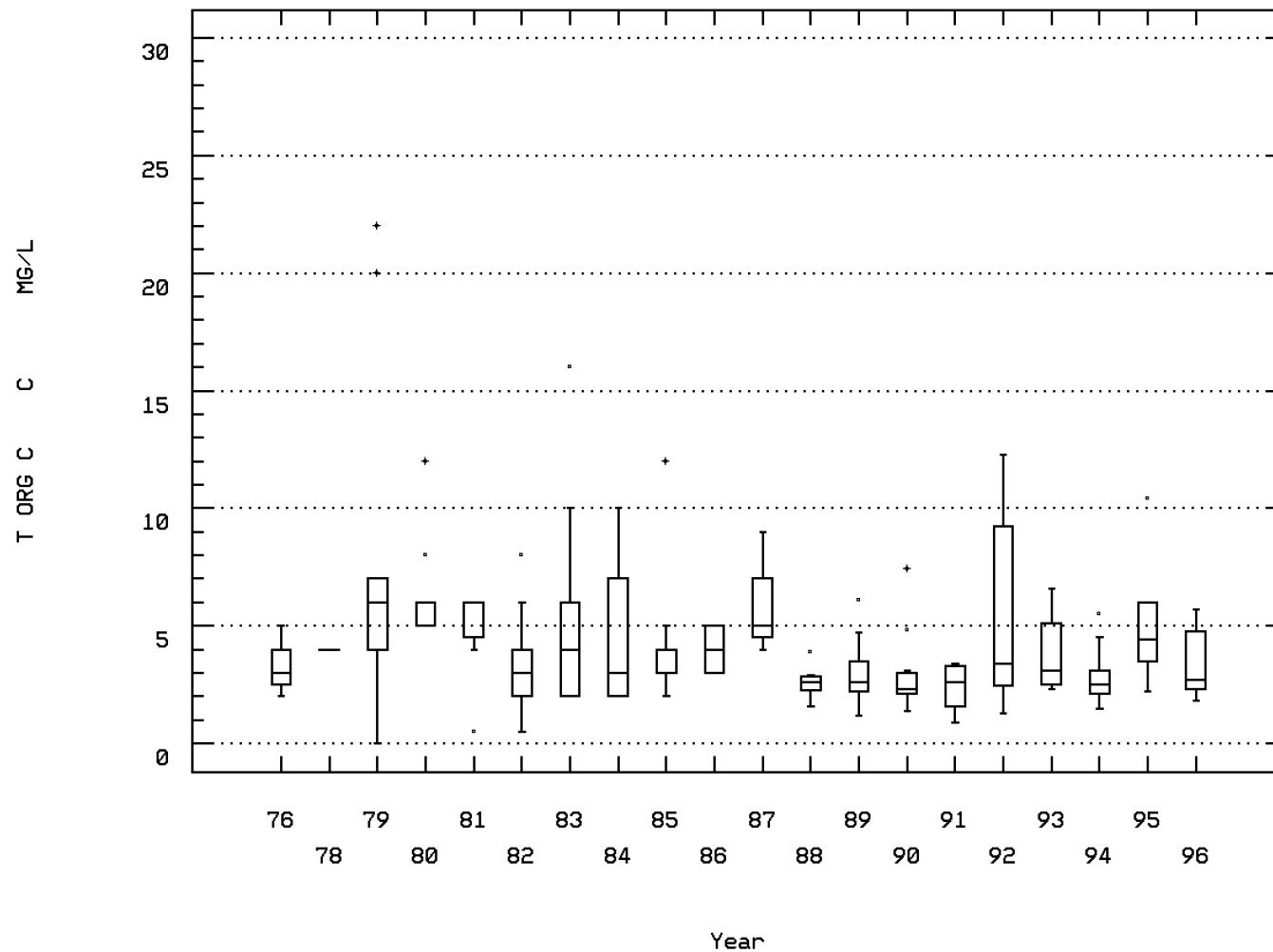
PHOSPHORUS, TOTAL (MG/L AS P)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 00680

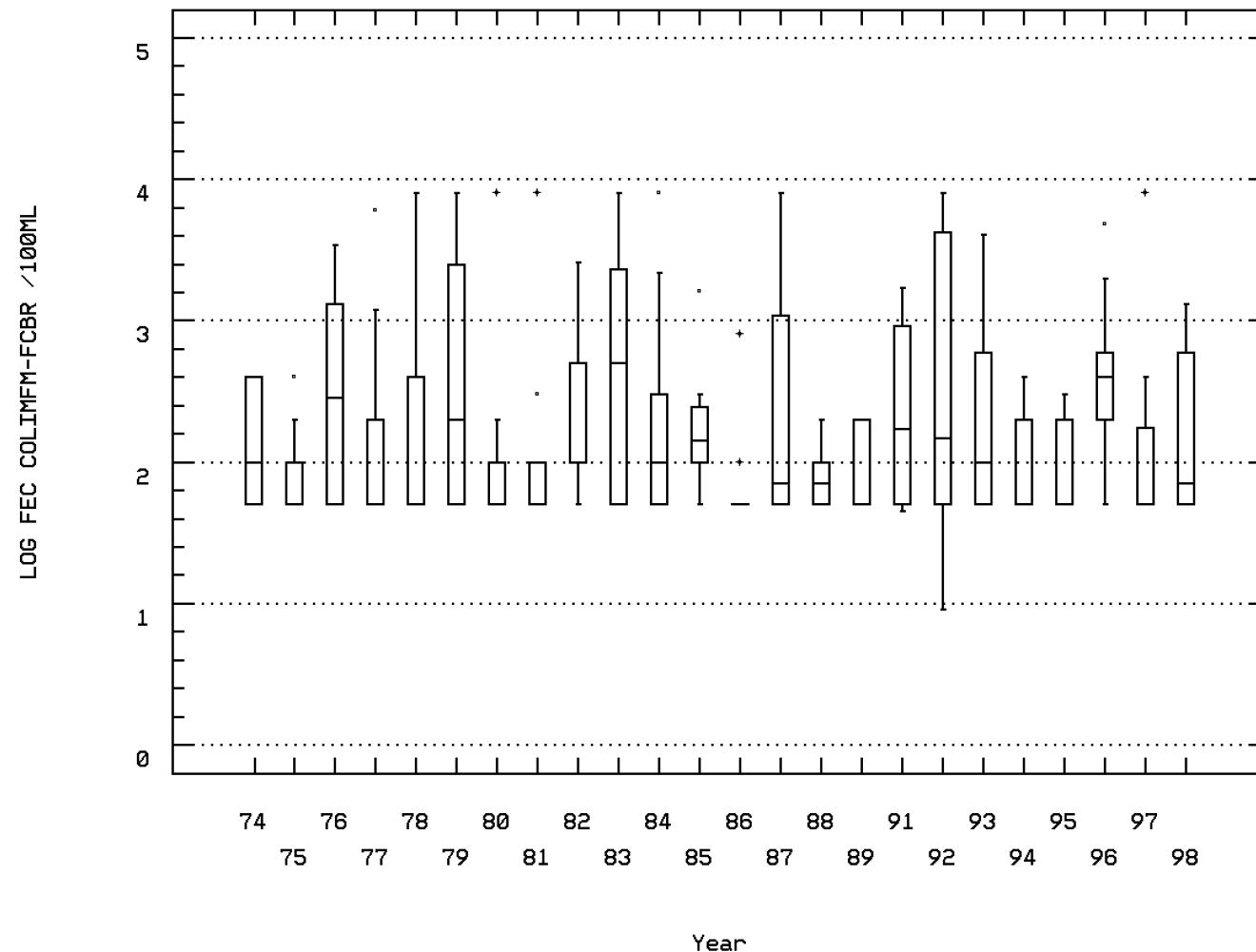
CARBON, TOTAL ORGANIC (MG/L AS C)



RT. 610 BRIDGE

Station: FRSP0080 Parameter Code: 31616

LOG FECAL COLIFORM, MEMBR FILTER, M-FC BR



RT. 610 BRIDGE

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	70	23.9	22.307	28.9	3.	20.762	4.557	16.22	19.5	25.	26.7
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	51	78.	247.275	8000.	48.	1236857.603	1112.141	63.	72.	85.	93.6
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	28	74.5	74.643	88.	60.	67.72	8.229	62.	69.	80.75	87.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/91-12/16/98	21	8.3	8.429	10.7	6.8	1.472	1.213	6.8	7.35	9.15	10.44
00300	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	49	8.3	8.467	11.5	6.1	0.978	0.989	7.6	7.8	9.	9.9
00310	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	61	1.	1.254	6.	0.5	1.239	1.113	0.5	0.5	1.	2.
00340	COD, 25N K2CR2O7 MG/L	07/30/79-12/16/98	58	8.	10.414	37.	0.5	46.721	6.835	3.85	7.	13.	19.1
00400	PH (STANDARD UNITS)	09/16/74-12/16/98	70	7.4	7.366	8.8	6.	0.25	0.5	6.71	7.1	7.6	7.99
00400	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	70	7.4	7.046	8.8	6.	0.353	0.594	6.71	7.1	7.6	7.99
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	70	0.04	0.09	1.	0.002	0.025	0.159	0.01	0.025	0.079	0.195
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	39	6.9	6.836	7.9	6.2	0.101	0.318	6.5	6.6	7.	7.2
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	39	6.9	6.736	7.9	6.2	0.112	0.334	6.5	6.6	7.	7.2
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/19/86-12/16/98	39	0.126	0.184	0.631	0.013	0.016	0.126	0.063	0.1	0.251	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/19/86-12/16/98	39	21.	21.487	33.	9.	25.309	5.031	14.	18.	25.	27.
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	32	61.5	79.813	390.	40.	4012.802	63.347	43.6	53.	84.75	138.9
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	32	19.	40.063	600.	6.	10596.319	102.938	9.	13.25	32.	47.
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	32	43.	57.063	333.	13.	3119.351	55.851	22.3	35.	63.5	95.6
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	61	3.	23.066	600.	0.5	6322.112	79.512	1.	2.5	10.5	41.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	61 ##	2.5	6.221	200.	0.5	643.854	25.374	1.	1.5	4.	6.6
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	61	2.5	17.689	400.	0.	3016.576	54.923	0.5	1.5	7.5	36.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	70 ##	0.05	0.06	0.5	0.02	0.005	0.072	0.02	0.02	0.05	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	70 ##	0.005	0.012	0.11	0.005	0.	0.018	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	64	0.41	0.407	1.63	0.02	0.078	0.279	0.033	0.21	0.597	0.695
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	70	0.3	0.394	1.7	0.1	0.083	0.287	0.2	0.2	0.5	0.6
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	58	0.1	0.105	0.5	0.05	0.007	0.085	0.05	0.05	0.1	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	37	0.03	0.047	0.33	0.005	0.005	0.07	0.01	0.02	0.05	0.098
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	52	4.	4.423	12.	0.	5.766	2.401	2.	2.9	5.65	8.52
00900	HARDNESS, TOTAL (MG/L AS CACO3)	08/06/87-12/16/98	35	24.	25.029	44.	16.	25.793	5.079	20.	22.	27.	30.8
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	29	4.	4.19	7.	2.5	1.686	1.298	2.5	3.	5.	6
00945	SULFATE, TOTAL (MG/L AS SO4)	11/03/88-12/16/98	28	4.	4.107	6.	2.5	1.396	1.181	2.5	3.	5.	6
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	58	100.	900.776	8000.	45.	4552561.23	2133.673	50.	50.	300.	3980.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/16/74-12/16/98	58	2.	2.207	3.903	1.653	0.48	0.693	1.699	1.699	2.477	3.599
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C				160.926								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	33	0.02	0.032	0.12	0.005	0.001	0.026	0.005	0.02	0.035	0.076

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	117	6.4	7.226	21.	0.1	21.083	4.592	1.92	3.75	10.8	13.08
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	85	76.	237.659	14000.	7.	2281851.251	1510.58	60.	66.	81.	91.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	49	72.	75.327	180.	56.	315.349	17.758	59.	69.	81.5	87.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/91-12/16/98	38	11.75	11.813	15.2	8.7	2.37	1.54	9.36	10.875	12.825	13.59
00300	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	80	12.15	11.801	14.6	8.2	2.338	1.529	9.52	10.4	12.9	13.69
00310	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	97	1.	1.398	5.	0.5	0.716	0.846	0.5	1.	2.	2.
00340	COD, 25N K2CR2O7 MG/L	07/30/79-12/16/98	95	8.	9.374	40.	0.5	60.457	7.775	2.	5.	12.	16.
00400	PH (STANDARD UNITS)	09/16/74-12/16/98	114	7.2	7.216	9.	5.8	0.282	0.531	6.6	6.9	7.5	7.8
00400	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	114	7.2	6.904	9.	5.8	0.381	0.617	6.6	6.9	7.5	7.8
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/16/74-12/16/98	114	0.063	0.125	1.585	0.001	0.046	0.214	0.016	0.032	0.126	0.251
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	60	6.7	6.75	7.6	6.2	0.081	0.284	6.4	6.5	6.9	7.1
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	60	6.7	6.669	7.6	6.2	0.088	0.296	6.4	6.5	6.9	7.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	03/19/86-12/16/98	60	0.2	0.215	0.631	0.025	0.017	0.128	0.079	0.126	0.316	0.398
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	03/19/86-12/16/98	60	19.	21.117	158.	7.	344.105	18.55	13.	15.	22.	26.
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	53	60.	68.358	226.	21.	868.619	29.472	47.4	54.	71.	103.2
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	53	18.	20.17	47.	5.	92.567	9.621	10.	14.5	25.	36.
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	53	41.	48.189	205.	2.	733.079	27.075	32.8	38.	52.	70.8

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	98	4.5	26.128	560.	0.5	5001.708	70.723	1.5	2.5	13.5	64.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	98	2.	4.714	76.	0.	96.216	9.809	1.	1.5	2.625	9.1
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	98	3.	22.148	484.	0.	3699.846	60.826	1.5	2.	11.5	58.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	118 ##	0.05	0.077	2.	0.005	0.038	0.196	0.02	0.02	0.05	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	118 ##	0.005	0.01	0.07	0.005	0.	0.01	0.005	0.005	0.01	0.02
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	103	0.67	0.645	1.3	0.005	0.084	0.29	0.202	0.47	0.84	1.
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	117	0.2	0.282	1.3	0.05	0.043	0.208	0.1	0.2	0.3	0.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	93 ##	0.05	0.088	0.4	0.05	0.005	0.071	0.05	0.05	0.1	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	62	0.03	0.039	0.3	0.005	0.002	0.049	0.01	0.01	0.04	0.08
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	80	3.35	4.395	22.	0.5	11.779	3.432	1.52	2.3	6.	7.9
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/06/87-12/16/98	58	25.	25.448	60.	4.	49.234	7.017	19.	22.	28.	31.1
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	54	4.	4.296	9.	2.	2.354	1.534	2.5	3.	5.	6.
00945	SULFATE, TOTAL (MG/L AS SO ₄)	11/03/88-12/16/98	53	6.	5.566	9.	3.	1.404	1.185	4.	5.	6.	7.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	104	100.	856.038	8000.	50.	3323242.639	1822.976	50.	50.	400.	2900.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	104	2.	2.265	3.903	1.699	0.485	0.697	1.699	1.699	2.602	3.456
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			183.926								
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	56	0.02	0.032	0.15	0.005	0.001	0.03	0.005	0.01	0.04	0.08

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0080

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/16/74-12/16/98	65	19.	18.872	28.9	0.	32.409	5.693	11.68	15.	23.45	26.08
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/30/79-12/16/98	48	65.5	73.292	349.	54.	1730.764	41.602	55.9	61.25	72.75	81.4
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-12/16/98	27	68.	70.63	166.	49.	410.242	20.254	58.4	63.	71.	77.6
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	11/19/91-12/16/98	21	8.7	9.	12.2	6.9	2.139	1.463	7.14	7.75	9.8	11.78
00300	OXYGEN, DISSOLVED MG/L	09/16/74-10/21/91	46	9.45	9.35	11.6	6.4	1.29	1.136	7.97	8.4	10.125	10.83
00310	BOD, 5 DAY, 20 DEG C MG/L	05/10/76-12/16/98	57	1.	1.142	3.	0.5	0.277	0.527	0.5	1.	1.15	2.
00340	COD, .25N K2CR2O7 MG/L	07/30/79-12/16/98	53	6.	7.802	27.	1.	31.359	5.6	2.5	4.	9.5	17.
00400	PH (STANDARD UNITS)	09/16/74-12/16/98	64	7.3	7.319	9.	6.2	0.203	0.451	6.8	7.1	7.575	7.8
00400	CONVERTED PH (STANDARD UNITS)	09/16/74-12/16/98	64	7.3	7.113	9.	6.2	0.246	0.496	6.8	7.1	7.575	7.8
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	09/16/74-12/16/98	64	0.05	0.077	0.631	0.001	0.009	0.096	0.016	0.027	0.079	0.158
00403	PH, LAB, STANDARD UNITS SU	03/19/86-12/16/98	36	6.8	6.783	7.4	6.1	0.082	0.286	6.3	6.625	6.9	7.1
00403	CONVERTED PH, LAB, STANDARD UNITS	03/19/86-12/16/98	36	6.8	6.687	7.4	6.1	0.092	0.303	6.3	6.625	6.9	7.1
00403	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	03/19/86-12/16/98	36	0.158	0.206	0.794	0.04	0.025	0.159	0.079	0.126	0.238	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	03/19/86-12/16/98	36	19.	19.	24.	12.	6.857	2.619	15.7	17.	20.75	22.3
00500	RESIDUE, TOTAL (MG/L)	07/30/79-12/16/98	29	60.	65.	148.	33.	463.643	21.532	47.	53.	71.5	84.
00505	RESIDUE, TOTAL VOLATILE (MG/L)	07/30/79-12/16/98	28	20.	19.643	36.	7.	43.423	6.59	9.9	15.25	23.75	29.1
00510	RESIDUE, TOTAL FIXED (MG/L)	07/30/79-12/16/98	29	42.	44.345	112.	11.	345.305	18.582	24.	34.	48.	64.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/10/76-12/16/98	59	5.	15.78	234.	1.	1136.597	33.713	2.	2.5	15.	49.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/10/76-12/16/98	59	2.5	3.797	28.	0.	17.492	4.182	1.5	1.5	4.	8.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/10/76-12/16/98	59	2.5	11.975	206.	0.	871.538	29.522	1.	1.5	8.	33.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	10/15/74-12/16/98	67 ##	0.05	0.052	0.3	0.02	0.003	0.055	0.02	0.02	0.05	0.076
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	67 ##	0.005	0.019	0.63	0.005	0.006	0.077	0.005	0.005	0.01	0.03
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	10/15/74-12/16/98	59	0.5	0.532	1.1	0.02	0.044	0.209	0.29	0.39	0.67	0.86
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	10/15/74-12/16/98	65	0.3	0.292	0.8	0.05	0.03	0.172	0.1	0.2	0.3	0.54
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/30/79-12/16/98	52 ##	0.05	0.076	0.2	0.05	0.002	0.043	0.05	0.05	0.1	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/30/79-04/15/92	34	0.02	0.025	0.07	0.005	0.	0.015	0.01	0.01	0.03	0.05
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/10/76-08/27/96	51	3.	3.794	20.	1.	8.533	2.921	1.8	2.1	4.4	6.
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	08/06/87-12/16/98	30	24.	25.033	44.	20.	24.378	4.937	20.	22.	26.	29.9
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-12/16/98	27	3.	3.315	5.	2.5	0.503	0.709	2.5	2.5	4.	4.
00945	SULFATE, TOTAL (MG/L AS SO ₄)	11/03/88-12/16/98	27	4.	6.074	60.	2.5	117.11	10.822	2.5	3.	5.	6.
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	58	89.	545.293	8000.	9.	2251455.79	1500.485	50.	50.	325.	978.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/16/74-12/16/98	58	1.946	2.132	3.903	0.954	0.376	0.613	1.699	1.699	2.508	2.985
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	GEOMETRIC MEAN =			135.38								
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10/15/74-12/16/98	33	0.02	0.032	0.18	0.005	0.001	0.036	0.005	0.01	0.045	0.082

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0081

NPS Station ID: FRSP0081
 Location: ROUTE 649
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080106
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 8-YORK
 RF1 Index: 02080106
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 8- YORK REGION: 3 NORTHERN
 RIVER: GLADY RUN SECTION: 03 TOPO MAP #: 0018 TOPO MAP NAME: BROCKENBURG, VA

LAT/LON: 38.200004/ -77.686115

Agency: 21VASWCB
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): 8-GDY003.00
 Within Park Boundary: No

Date Created: 04/23/94

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0081

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	06/28/76-10/05/76	2	13.55	13.55	15.1	12.	4.805	2.192	**	**	**	**
00300 OXYGEN, DISSOLVED MG/L	06/28/76-10/05/76	2	7.4	7.4	7.8	7.	0.32	0.566	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	06/28/76-10/05/76	2	1.5	1.5	2.	1.	0.5	0.707	**	**	**	**
00340 COD, 25N K2CR2O7 MG/L	06/28/76-10/05/76	2	17.5	17.5	23.	12.	60.5	7.778	**	**	**	**
00400 PH (STANDARD UNITS)	06/28/76-10/05/76	2	6.6	6.6	6.7	6.5	0.02	0.141	**	**	**	**
00400 CONVERTED PH (STANDARD UNITS)	06/28/76-10/05/76	2	6.589	6.589	6.7	6.5	0.02	0.142	**	**	**	**
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	06/28/76-10/05/76	2	0.258	0.258	0.316	0.2	0.007	0.083	**	**	**	**
00403 PH, LAB, STANDARD UNITS SU	10/05/76-10/05/76	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403 CONVERTED PH, LAB, STANDARD UNITS	10/05/76-10/05/76	1	5.9	5.9	5.9	5.9	0.	0.	**	**	**	**
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	10/05/76-10/05/76	1	1.259	1.259	1.259	1.259	0.	0.	**	**	**	**
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	10/05/76-10/05/76	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00500 RESIDUE, TOTAL (MG/L)	06/28/76-10/05/76	2	88.	88.	91.	85.	18.	4.243	**	**	**	**
00505 RESIDUE, TOTAL VOLATILE (MG/L)	06/28/76-10/05/76	2	47.	47.	49.	45.	8.	2.828	**	**	**	**
00510 RESIDUE, TOTAL FIXED (MG/L)	06/28/76-10/05/76	2	41.	41.	46.	36.	50.	7.071	**	**	**	**
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	06/28/76-10/05/76	2	16.	16.	20.	12.	32.	5.657	**	**	**	**
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	06/28/76-10/05/76	2	6.	6.	12.	0.	72.	8.485	**	**	**	**
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	06/28/76-10/05/76	2	10.	10.	12.	8.	8.	2.828	**	**	**	**
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	06/28/76-10/05/76	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**	**
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	06/28/76-10/05/76	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	06/28/76-10/05/76	2	0.125	0.125	0.13	0.12	0.	0.007	**	**	**	**
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	06/28/76-10/05/76	2	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**	**
00665 PHOSPHORUS, TOTAL (MG/L AS P)	06/28/76-10/05/76	2 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	06/28/76-10/05/76	2	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	06/28/76-10/05/76	2	10.	10.	12.	8.	8.	2.828	**	**	**	**
00940 CHLORIDE, TOTAL IN WATER MG/L	06/28/76-06/28/76	1	1.	1.	1.	1.	0.	0.	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/28/76-10/05/76	2 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616 LOG FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	06/28/76-10/05/76	2 ##	1.699	1.699	1.699	1.699	0.	0.	**	**	**	**
31616 GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		50.							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0081

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00				1	0	0.00			
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00				1	0	0.00			
00403	PH, LAB	Other-Lo Lim.	6.5	2	1	0.50	1	1	1.00				1	0	0.00			
		Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	1	1.00	1	1	1.00									
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	1	0	0.00				1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00				1	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00							1	0	0.00			
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Drinking Water	250.	1	0	0.00							1	0	0.00			
		Other-Hi Lim.	200.	2	0	0.00	1	0	0.00				1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0082

NPS Station ID: FRSP0082
 Location: R AT KELLYS FORD BRIDGE
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin: RAPPAHANNOCK RIVER
 Minor Basin: RAPPAHANNOCK
 RF1 Index: 02080103
 RF3 Index:
 Description:
 PRE-IMPOUNDMENT STUDY IN RAPPAHAN-NOCK RIVER BASIN IN THE VICINITY OF THE PROPOSED SALEM CHURCH LAKE. REQUESTED BY ARMY CORPS OF ENGINEERS

LAT/LON: 38.372504/ -77.695559

Agency: 1113VABD
 FIPS State/County: 51047 VIRGINIA/CULPEPER
 STORET Station ID(s): SC 3 /RIVER
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0082

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0083

NPS Station ID: FRSP0083
 Location: RT. 610 (CULPEPER CO)
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080103
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: HAZEL RUN SECTION: 04 AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
 TOPO MAP #: 0033 TOPO MAP NAME: CHANCELLORSVILLE, VA

LAT/LON: 38.368615/ -77.696670

Agency: 21VASWCB
 FIPS State/County: 51047 VIRGINIA/CULPEPER
 STORET Station ID(s): 3-HAE001.00
 Within Park Boundary: No

Date Created: 05/01/93

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0083

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	09/03/75-09/03/75	1	7.8	7.8	7.8	7.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/03/75-09/03/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, 25N K2CR207 MG/L	09/03/75-09/03/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/03/75-09/03/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/03/75-09/03/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/75-09/03/75	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/03/75-09/03/75	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/03/75-09/03/75	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/75-09/03/75	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/03/75-09/03/75	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-09/03/75	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	1##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
00625	NITROGEN, KJEDAHL, TOTAL, (MG/L AS N)	09/03/75-09/03/75	1	0.2	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-09/03/75	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-09/03/75	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-09/03/75	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	09/03/75-09/03/75	1	3.	3.	3.	3.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	1##	0.699	0.699	0.699	0.699	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	GEOMETRIC MEAN = 5.										

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0083

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00								
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00								
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00								

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0083

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00403 PH, LAB	Fresh Chronic	9.	1	0	0.00	1	0	0.00						
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00						
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00						
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00						
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00						
	Drinking Water	250.	1	0	0.00	1	0	0.00						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0084

NPS Station ID: FRSP0084
 Location: RT. 612 BRIDGE - CORBIN BRIDGE
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080105
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 8-YORK
 RF1 Index: 02080105
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: PO RIVER SECTION: 03

LAT/LON: 38.229448/ -77.701948

Agency: 21VASWCB
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): 8-POR022.56
 Within Park Boundary: No

Date Created: 08/18/90

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.000

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

AMBIENT MONITORING BASIN: 8 YORK REGION: 3 NORTHERN VIRGINIA
 TOPO MAP #: 0018 TOPO MAP NAME: BROCKENBURG, VA

Parameter Inventory for Station: FRSP0084

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/27/90-10/21/98	23	11.3	12.443	26.5	2.1	52.346	7.235	2.96	5.2	20.5	22.02
00070 TURBIDITY, (JACKSON CANDLE UNITS)	12/27/90-03/31/92	5	11.7	12.38	19.	9.4	15.367	3.92	**	**	**	**
00076 TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	12/05/94-10/21/98	13	10.4	12.6	27.	3.3	41.713	6.459	4.86	8.2	17.2	24.6
00080 COLOR (PLATINUM-COBALT UNITS)	03/27/91-12/22/92	6	131.	124.167	197.	57.	2609.767	51.086	**	**	**	**
00094 SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	03/31/92-10/21/98	20	48.	48.8	75.	33.	73.642	8.581	37.4	44.5	52.	56.
00095 SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/27/90-10/21/98	23	44.	46.652	75.	30.	110.055	10.491	37.2	40.	49.	66.2
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/31/92-10/21/98	20	8.95	8.955	12.9	3.8	5.378	2.319	5.81	7.5	10.85	12.08
00300 OXYGEN, DISSOLVED MG/L	12/27/90-06/27/91	3	10.2	10.167	14.	6.3	14.823	3.85	**	**	**	**
00310 BOD, 5 DAY, 20 DEG C MG/L	03/27/91-10/21/98	22	1.	1.386	2.1	0.5	0.266	0.516	1.	1.	2.	2.
00340 COD, 25N K2CR2O7 MG/L	12/27/90-01/27/98	20	18.	18.75	41.	11.	48.197	6.942	12.	14.	21.5	27.7
00400 PH (STANDARD UNITS)	12/27/90-10/21/98	23	6.8	6.861	8.3	6.3	0.246	0.496	6.3	6.5	7.2	7.56
00400 CONVERTED PH (STANDARD UNITS)	12/27/90-10/21/98	23	6.8	6.676	8.3	6.3	0.282	0.531	6.3	6.5	7.2	7.56
00400 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/27/90-10/21/98	23	0.158	0.211	0.501	0.005	0.026	0.16	0.035	0.063	0.316	0.501
00403 PH, LAB, STANDARD UNITS SU	12/27/90-10/21/98	23	6.6	6.591	7.3	6.	0.094	0.306	6.2	6.4	6.8	7.
00403 CONVERTED PH, LAB, STANDARD UNITS	12/27/90-10/21/98	23	6.6	6.496	7.3	6.	0.103	0.321	6.2	6.4	6.8	7.
00403 MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/27/90-10/21/98	23	0.251	0.319	1.	0.05	0.048	0.22	0.1	0.158	0.398	0.631
00410 ALKALINITY, TOTAL (MG/L AS CACO3)	12/27/90-10/21/98	23	12.	13.565	47.	4.	74.166	8.612	6.4	8.	17.	19.6
00500 RESIDUE, TOTAL (MG/L)	12/27/90-10/21/98	23	60.	60.217	86.	31.	160.814	12.681	43.6	54.	69.	80.6
00505 RESIDUE, TOTAL VOLATILE (MG/L)	12/27/90-10/21/98	23	24.	24.043	41.	8.	59.68	7.725	14.4	19.	27.	36.
00510 RESIDUE, TOTAL FIXED (MG/L)	12/27/90-10/21/98	23	35.	36.174	72.	15.	124.605	11.163	24.2	31.	40.	50.
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/27/90-10/21/98	23	6.	8.283	30.	1.5	41.155	6.415	3.	4.	10.	16.8
00535 RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/27/90-10/21/98	23	1.5	2.109	7.	1.	1.749	1.323	1.	1.5	3.	3.6
00540 RESIDUE, FIXED NONFILTRABLE (MG/L)	12/27/90-10/21/98	23	4.	6.174	26.	1.5	33.65	5.801	1.5	2.	8.	13.8
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/27/90-10/21/98	24 ##	0.02	0.04	0.25	0.02	0.002	0.047	0.02	0.02	0.04	0.06
00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	12/27/90-10/21/98	24 ##	0.005	0.008	0.03	0.005	0.	0.007	0.005	0.005	0.01	0.02
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	12/27/90-10/21/98	24	0.08	0.079	0.28	0.02	0.004	0.062	0.02	0.02	0.11	0.145
00625 NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/27/90-10/21/98	24	0.4	0.433	1.	0.2	0.041	0.201	0.2	0.3	0.575	0.75
00665 PHOSPHORUS, TOTAL (MG/L AS P)	12/27/90-10/21/98	24 ##	0.05	0.067	0.1	0.05	0.001	0.024	0.05	0.05	0.1	0.1
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/27/90-03/31/92	5	0.02	0.02	0.03	0.01	0.	0.01	**	**	**	**
00680 CARBON, TOTAL ORGANIC (MG/L AS C)	12/27/90-06/20/96	16	6.2	7.306	15.2	4.6	8.991	2.999	4.67	5.5	8.1	13.66
00900 HARDNESS, TOTAL (MG/L AS CACO3)	12/27/90-01/27/98	20	14.	16.6	30.	8.	32.147	5.67	11.1	12.25	20.	25.8
00940 CHLORIDE, TOTAL IN WATER MG/L	12/27/90-10/21/98	22	2.5	2.386	3.	2.	0.165	0.406	2.	2.	2.625	3.
00945 SULFATE, TOTAL (MG/L AS SO4)	12/27/90-10/21/98	21	4.	4.286	7.	2.	3.364	1.834	2.1	2.5	6.	7.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00951	FLUORIDE, TOTAL (MG/L AS F)	12/27/90-12/22/92	7 ##	0.1	0.116	0.25	0.05	0.005	0.069	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	12/27/90-12/22/92	7	14.2	14.043	16.3	9.9	4.26	2.064	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/27/91-10/21/98	19	100.	253.105	1500.	9.	149538.766	386.702	50.	50.	400.	1000.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/27/91-10/21/98	19	2.	2.059	3.176	0.954	0.293	0.541	1.699	1.699	2.602	3.
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	114.528								
32240	TANNIN AND LIGNIN (MG/L)	06/27/91-12/22/92	3	1.1	1.067	1.2	0.9	0.023	0.153	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	09/28/93-09/28/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
38451	DICHLORPROP WATER,SUSPUG/L	09/28/93-09/28/93	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
38745	2,4-DB WATER, TOTUG/L	09/28/93-09/28/93	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39033	ATRAZINE IN WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39350	CHLORDANE(TECH MIX & METABS),WHOLE WATER,UG/L	09/28/93-09/28/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/28/93-09/28/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	09/28/93-09/28/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/29/92-10/21/98	19	0.02	0.024	0.06	0.005	0.	0.014	0.005	0.01	0.03	0.04
77825	ALACHLOR WHOLE WATER,UG/L	09/28/93-09/28/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/29/92-03/31/94	5	13.	15.76	26.	8.8	43.908	6.626	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0084

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	5	0	0.00	1	0	0.00	1	0	0.00		
00076	TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	13	0	0.00	3	0	0.00	3	0	0.00		
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	20	1	0.05	4	0	0.00	12	1	0.08	4	0
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00			2	0	0.00	1	0	0.00
00400	PH	Fresh Chronic	9.	23	0	0.00	4	0	0.00	14	0	0.00	5	0
		Other-Lo Lim.	6.5	23	8	0.35	4	2	0.50	14	4	0.29	5	2
00403	PH, LAB	Fresh Chronic	9.	23	0	0.00	5	0	0.00	13	0	0.00	5	0
		Other-Lo Lim.	6.5	23	11	0.48	5	2	0.40	13	8	0.62	5	1
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	24	0	0.00	5	0	0.00	14	0	0.00	5	0
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	24	0	0.00	5	0	0.00	14	0	0.00	5	0
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	22	0	0.00	5	0	0.00	13	0	0.00	4	0
		Drinking Water	250.	22	0	0.00	5	0	0.00	13	0	0.00	4	0

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0084

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	21	0	0.00	4	0	0.00	13	0	0.00	4	0	0.00
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	7	0	0.00	1	0	0.00	4	0	0.00	2	0	0.00
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	19	5	0.26	5	1	0.20	10	2	0.20	4	2	0.50
34356	ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00						
34361	ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00						
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00	1	0	0.00						
		Drinking Water	1.	1	0	0.00	1	0	0.00						
39033	ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	1	0	0.00	1	0	0.00						
39300	P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00						
39310	P,P'DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00						
39320	P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00						
39330	ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00						
39340	GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00						
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	1	0	0.00	1	0	0.00						
		Drinking Water	0.2	1	0	0.00	1	0	0.00						
39380	DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00						
39390	ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00						
39400	TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00						
39410	HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00						
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.4	1	0	0.00	1	0	0.00						
		Drinking Water	0.52	1	0	0.00	1	0	0.00						
		Drinking Water	0.2	1	0	0.00	1	0	0.00						
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00						
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00						
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	5	0	0.00	1	0	0.00	3	0	0.00	1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/27/90-10/21/98	4	19.1	19.975	26.5	15.2	28.303	5.32	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	03/31/92-10/21/98	4	47.5	47.75	50.	46.	2.917	1.708	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/27/90-10/21/98	5	44.	46.8	58.	41.	45.7	6.76	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/31/92-10/21/98	4	7.2	7.	7.9	5.7	0.967	0.983	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/27/91-10/21/98	5	1.	1.4	2.	1.	0.3	0.548	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	12/27/90-01/27/98	3	14.	15.333	20.	12.	17.333	4.163	**	**	**	**
00400	PH (STANDARD UNITS)	12/27/90-10/21/98	4	6.75	6.775	7.2	6.4	0.149	0.386	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/27/90-10/21/98	4	6.682	6.659	7.2	6.4	0.167	0.409	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/27/90-10/21/98	4	0.208	0.219	0.398	0.063	0.027	0.163	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/27/90-10/21/98	5	6.6	6.66	7.	6.4	0.058	0.241	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/27/90-10/21/98	5	6.6	6.611	7.	6.4	0.061	0.247	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/27/90-10/21/98	5	0.251	0.245	0.398	0.1	0.014	0.119	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/27/90-10/21/98	5	16.	15.2	19.	9.	18.2	4.266	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/27/90-10/21/98	5	54.	52.8	61.	46.	35.7	5.975	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/27/90-10/21/98	5	21.	20.6	26.	15.	25.3	5.03	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	12/27/90-10/21/98	5	32.	32.2	36.	29.	6.7	2.588	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/27/90-10/21/98	5	6.	6.4	10.	3.	9.3	3.05	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/27/90-10/21/98	5 ##	1.5	1.9	3.	1.5	0.425	0.652	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/27/90-10/21/98	5	4.	4.5	8.	1.5	6.5	2.55	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/27/90-10/21/98	5	0.03	0.076	0.25	0.02	0.01	0.099	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/27/90-10/21/98	5 ##	0.005	0.011	0.03	0.005	0.	0.011	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/27/90-10/21/98	5	0.05	0.056	0.1	0.02	0.001	0.038	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/27/90-10/21/98	5	0.4	0.5	1.	0.3	0.08	0.283	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/27/90-10/21/98	5	0.1	0.08	0.1	0.05	0.001	0.027	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/27/90-01/27/98	3	20.	23.333	30.	20.	33.333	5.774	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	12/27/90-10/21/98	5	2.	2.3	3.	2.	0.2	0.447	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/27/90-10/21/98	4	2.75	2.875	4.	2.	0.729	0.854	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	06/27/91-10/21/98	5 ##	50.	141.8	500.	9.	41136.2	202.821	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	06/27/91-10/21/98	5 ##	1.699	1.81	2.699	0.954	0.396	0.629	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C				64.6								
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/29/92-10/21/98	4	0.025	0.023	0.03	0.01	0.	0.01	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/27/90-10/21/98	14	9.35	7.914	14.3	2.1	17.597	4.195	2.35	3.5	11.525	13.3
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	03/31/92-10/21/98	12	49.	47.583	56.	33.	47.538	6.895	34.2	44.5	52.	55.7
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/27/90-10/21/98	13	44.	46.154	75.	30.	141.308	11.887	32.4	39.5	48.5	71.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/31/92-10/21/98	12	10.2	9.983	12.9	3.8	5.816	2.412	5.15	8.9	11.85	12.66
00310	BOD, 5 DAY, 20 DEG C MG/L	03/27/91-10/21/98	12	1.2	1.417	2.1	1.	0.231	0.48	1.	1.	2.	2.07
00340	COD, .25N K2CR2O7 MG/L	12/27/90-01/27/98	13	16.	16.769	28.	11.	19.359	4.4	11.4	14.	19.	24.8
00400	PH (STANDARD UNITS)	12/27/90-10/21/98	14	6.75	6.929	8.3	6.3	0.316	0.562	6.4	6.5	7.2	8.05
00400	CONVERTED PH (STANDARD UNITS)	12/27/90-10/21/98	14	6.747	6.718	8.3	6.3	0.364	0.603	6.4	6.5	7.2	8.05
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/27/90-10/21/98	14	0.179	0.191	0.501	0.005	0.021	0.143	0.01	0.063	0.316	0.409
00403	PH, LAB, STANDARD UNITS SU	12/27/90-10/21/98	13	6.5	6.492	7.3	6.	0.107	0.328	6.08	6.25	6.7	7.06
00403	CONVERTED PH, LAB, STANDARD UNITS	12/27/90-10/21/98	13	6.5	6.398	7.3	6.	0.117	0.342	6.08	6.25	6.7	7.06
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/27/90-10/21/98	13	0.316	0.4	1.	0.05	0.064	0.253	0.11	0.2	0.566	0.852
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/27/90-10/21/98	13	10.	12.923	47.	4.	119.744	10.943	4.8	7.5	13.5	35.8
00500	RESIDUE, TOTAL (MG/L)	12/27/90-10/21/98	13	60.	59.385	86.	31.	177.09	13.308	35.4	55.	66.	80.4
00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/27/90-10/21/98	13	24.	23.	36.	8.	54.833	7.405	10.4	18.5	27.	34.8
00510	RESIDUE, TOTAL FIXED (MG/L)	12/27/90-10/21/98	13	35.	36.385	72.	15.	188.923	13.745	18.2	28.5	42.5	62.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/27/90-10/21/98	13	5.	8.192	30.	1.5	60.231	7.761	2.1	3.5	11.5	24.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/27/90-10/21/98	13	1.5	2.154	7.	1.	2.849	1.688	1.	1.25	2.5	5.8
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/27/90-10/21/98	13	3.	6.038	26.	1.5	49.394	7.028	1.5	1.75	9.	20.4
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/27/90-10/21/98	14 ##	0.02	0.026	0.04	0.02	0.	0.009	0.02	0.02	0.04	0.04

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/27/90-10/21/98	14 ##	0.005	0.006	0.01	0.005	0.	0.002	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/27/90-10/21/98	14	0.06	0.077	0.28	0.02	0.005	0.07	0.02	0.02	0.105	0.205
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/27/90-10/21/98	14	0.3	0.379	0.7	0.2	0.028	0.167	0.2	0.275	0.525	0.65
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/27/90-10/21/98	14 ##	0.05	0.064	0.1	0.05	0.001	0.023	0.05	0.05	0.1	0.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/27/90-01/27/98	13	13.	13.692	20.	8.	11.397	3.376	9.2	12.	16.	19.6
00940	CHLORIDE, TOTAL IN WATER MG/L	12/27/90-10/21/98	13	2.5	2.385	3.	2.	0.173	0.416	2.	2.	2.75	3.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/27/90-10/21/98	13	5.	5.	7.	2.	3.625	1.904	2.2	2.75	7.	7.
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/27/91-10/21/98	10	100.	142.	400.	50.	19195.556	138.548	50.	50.	190.	400.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/27/91-10/21/98	10	2.	2.008	2.602	1.699	0.121	0.349	1.699	1.699	2.21	2.602
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	101.84								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/29/92-10/21/98	11	0.02	0.021	0.04	0.005	0.	0.012	0.005	0.01	0.03	0.038

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0084

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	12/27/90-10/21/98	5	21.5	19.1	21.9	10.1	25.58	5.058	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	03/31/92-10/21/98	4	49.	53.5	75.	41.	252.333	15.885	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/27/90-10/21/98	5	45.	47.8	67.	39.	133.2	11.541	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	03/31/92-10/21/98	4	7.5	7.825	9.1	7.2	0.742	0.862	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	03/27/91-10/21/98	5	1.	1.3	2.	0.5	0.45	0.671	**	**	**	**
00340	COD, 25N K2CR207 MG/L	12/27/90-01/27/98	4	24.	27.75	41.	22.	79.583	8.921	**	**	**	**
00400	PH (STANDARD UNITS)	12/27/90-10/21/98	5	6.9	6.74	7.2	6.3	0.173	0.416	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	12/27/90-10/21/98	5	6.9	6.588	7.2	6.3	0.202	0.449	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/27/90-10/21/98	5	0.126	0.258	0.501	0.063	0.05	0.223	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	12/27/90-10/21/98	5	6.8	6.78	7.	6.5	0.052	0.228	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/27/90-10/21/98	5	6.8	6.732	7.	6.5	0.055	0.234	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/27/90-10/21/98	5	0.158	0.185	0.316	0.1	0.009	0.096	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/27/90-10/21/98	5	13.	13.6	20.	7.	25.8	5.079	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/27/90-10/21/98	5	71.	69.8	81.	54.	131.7	11.476	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/27/90-10/21/98	5	28.	30.2	41.	19.	72.7	8.526	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	12/27/90-10/21/98	5	36.	39.6	52.	30.	77.3	8.792	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/27/90-10/21/98	5	8.	10.4	18.	5.	26.3	5.128	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/27/90-10/21/98	5	2.	2.2	3.	1.5	0.575	0.758	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/27/90-10/21/98	5	6.	8.2	15.	4.	21.7	4.658	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	12/27/90-10/21/98	5	0.05	0.044	0.06	0.02	0.	0.015	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	12/27/90-10/21/98	5 ##	0.005	0.011	0.03	0.	0.	0.011	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/27/90-10/21/98	5	0.11	0.106	0.16	0.02	0.003	0.052	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	12/27/90-10/21/98	5	0.5	0.52	0.8	0.3	0.037	0.192	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/27/90-10/21/98	5 ##	0.05	0.06	0.1	0.05	0.001	0.022	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	12/27/90-01/27/98	4	22.	21.	26.	14.	28.	5.292	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	12/27/90-10/21/98	4 ##	2.5	2.5	3.	2.	0.167	0.408	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/27/90-10/21/98	4	3.	3.375	5.	2.5	1.229	1.109	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/27/91-10/21/98	4	565.	670.	1500.	50.	491266.667	700.904	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	06/27/91-10/21/98	4	2.557	2.497	3.176	1.699	0.499	0.707	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	314.233								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	06/29/92-10/21/98	4	0.03	0.035	0.06	0.02	0.	0.019	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0085

NPS Station ID: FRSP0085	LAT/LON: 38.351949/ -77.725004	Agency: 112WRD	Date Created: 03/21/92
Location: SHOTGUN HILL BRANCH NEAR WILDERNESS, VA		FIPS State/County: 51137 VIRGINIA/ORANGE	
Station Type: /TYP/A/MBNT/STREAM		STORET Station ID(s): 01667915	
RMI-Indexes:		Within Park Boundary: No	
RMI-Miles:			
HUC: 02080103	Depth of Water: 0	Aquifer:	
Major Basin:	Elevation: 0	Water Body Id:	
Minor Basin:		ECO Region:	
RF1 Index: 02080103	RF1 Mile Point: 0.000	Distance from RF1: 0.00	On/Off RF1:
RF3 Index:	RF3 Mile Point: 0.00	Distance from RF3: 0.00	On/Off RF3:
Description:			

Parameter Inventory for Station: FRSP0085

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/19/91-08/19/91	1	24.	24.	24.	24.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/19/91-08/19/91	1	28.5	28.5	28.5	28.5	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	08/19/91-08/19/91	1	750.	750.	750.	750.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/19/91-08/19/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/19/91-08/19/91	1	140.	140.	140.	140.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/19/91-08/19/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/19/91-08/19/91	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/19/91-08/19/91	1	7.9	7.9	7.9	7.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/19/91-08/19/91	1	0.013	0.013	0.013	0.013	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/19/91-08/19/91	1	0.4	0.4	0.4	0.4	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0085

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00									
	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0086

NPS Station ID: FRSP0086
 Location: WILDERNESS RUN AT WILDERNESS, VA
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin:
 Minor Basin:
 RF1 Index: 02080103
 RF3 Index:
 Description:

LAT/LON: 38.325559/ -77.725837

Agency: 112WRD
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 01667910
 Within Park Boundary: No

Date Created: 12/30/89

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-10/01/91	8	15.5	15.938	25.5	9.	27.746	5.267	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-10/01/91	8	19.	18.125	31.5	6.5	67.411	8.21	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	07/24/89-10/01/91	7	760.	760.286	765.	751.	22.571	4.751	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-10/01/91	8	1.95	9.738	67.	0.1	536.96	23.172	**	**	**	**
00065	STAGE, STREAM (FEET)	10/03/90-10/01/91	3	12.61	12.637	12.76	12.54	0.013	0.112	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/24/89-03/30/91	3	65.	60.	75.	40.	325.	18.028	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-10/01/91	8	64.	68.875	102.	55.	239.554	15.478	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/24/89-10/01/91	8	7.3	7.425	10.8	3.8	4.588	2.142	**	**	**	**
00400	PH (STANDARD UNITS)	07/24/89-10/01/91	8	6.75	6.6	7.1	5.8	0.24	0.49	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/24/89-10/01/91	8	6.747	6.328	7.1	5.8	0.324	0.57	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-10/01/91	8	0.179	0.47	1.585	0.079	0.356	0.597	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/24/89-03/30/91	3	7.	6.967	7.2	6.7	0.063	0.252	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/24/89-03/30/91	3	7.	6.918	7.2	6.7	0.067	0.259	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-03/30/91	3	0.1	0.121	0.2	0.063	0.005	0.071	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-03/30/91	3	0.07	0.07	0.1	0.04	0.001	0.03	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/89-03/30/91	3	0.6	0.767	1.2	0.5	0.143	0.379	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/89-03/30/91	3	0.4	0.337	0.5	0.11	0.041	0.203	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/89-03/30/91	3	0.08	0.073	0.1	0.04	0.001	0.031	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/24/89-03/30/91	3	5.	6.3	9.2	4.7	6.33	2.516	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/89-03/30/91	3	3.8	3.867	4.4	3.4	0.253	0.503	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/89-03/30/91	3	2.2	2.067	2.2	1.8	0.053	0.231	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/24/89-03/30/91	3	3.4	3.433	3.6	3.3	0.023	0.153	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/24/89-03/30/91	3	2.1	2.033	2.1	1.9	0.013	0.115	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	07/24/89-03/30/91	3	4.	3.667	4.	3.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/24/89-03/30/91	3	4.	4.333	7.	2.	6.333	2.517	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/24/89-03/30/91	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/24/89-03/30/91	3	14.	12.367	14.	9.1	8.003	2.829	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/89-03/30/91	3 ##	0.5	0.667	1.	0.5	0.083	0.289	**	**	**	**
01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	09/05/89-09/05/89	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	09/05/89-09/05/89	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/89-03/30/91	3 ##	0.5	0.667	1.	0.5	0.083	0.289	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/24/89-03/30/91	3	2.	2.	3.	1.	1.	1.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/05/89-09/05/89	1	6.	6.	6.	6.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/24/89-03/30/91	3	1200.	1253.333	1600.	960.	104533.333	323.316	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/24/89-03/30/91	3	420.	576.667	900.	410.	78433.333	280.06	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/24/89-03/30/91	3	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/05/89-09/05/89	1	10.	10.	10.	10.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0086

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/05/89-09/05/89	1	300.	300.	300.	0.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/24/89-03/30/91	3	140.	136.667	170.	100.	1233.333	35.119	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/24/89-03/30/91	3	97.	104.	140.	75.	1093.	33.061	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/24/89-03/30/91	3	1.	0.833	1.	0.5	0.083	0.289	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/24/89-03/30/91	3	10.	15.	30.	5.	175.	13.229	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/05/89-09/05/89	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/05/89-09/05/89	1	6900.	6900.	6900.	6900.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	3	1160.	3359.333	8600.	318.	20775681.333	4558.035	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	3	3.064	3.167	3.934	2.502	0.521	0.722	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM			GEOMETRIC MEAN =	1469.359								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/89-03/30/91	3##	0.5	1.	2.	0.5	0.75	0.866	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/89-03/30/91	3	47.	42.333	48.	32.	80.333	8.963	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/24/89-03/30/91	3	0.03	0.043	0.08	0.02	0.001	0.032	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/24/89-03/30/91	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/05/89-09/05/89	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0086

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
			Obs	Standard		Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8	1	0.13	5	1	0.20	3	0	0.00						
00400	PH	Fresh Chronic	9.	8	0	0.00	5	0	0.00	3	0	0.00						
00403	PH, LAB	Other-Lo Lim.	6.5	8	2	0.25	5	2	0.40	3	0	0.00						
		Fresh Chronic	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00	2	0	0.00						
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	2	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	1	0	0.00	2	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	5.	3	0	0.00	1	0	0.00	2	0	0.00						
01042	COPPER, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00	2	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	18.	3	0	0.00	1	0	0.00	2	0	0.00						
01067	NICKEL, TOTAL	Drinking Water	1300.	3	0	0.00	1	0	0.00	2	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	82.	3	0	0.00	1	0	0.00	2	0	0.00						
31625	FECAL COLIFORM, MF	Drinking Water	15.	3	0	0.00	1	0	0.00	2	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	100.	3	0	0.00	1	0	0.00	2	0	0.00						
		Fresh Acute	120.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	5000.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Hi Lim.	200.	3	3	1.00	1	1	1.00	2	2	1.00						
		Fresh Acute	2.4	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	2.	3	0	0.00	1	0	0.00	2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0087

NPS Station ID: FRSP0087
 Location: RT. 3 (ORANGE/SPOTSYLVANIA CO)
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080103
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
 RIVER: WILDERNESS RUN SECTION: 04F TOPO MAP #: 0033 TOPO MAP NAME: CHANCELLORSVILLE, VA

LAT/LON: 38.325282/ -77.726670

Agency: 21VASWCB
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 3-WIL004.00
 Within Park Boundary: No

Date Created: 05/01/93

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0087

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/91-05/22/91	1	20.8	20.8	20.8	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/22/91-05/22/91	1	8.3	8.3	8.3	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/22/91-05/22/91	1	72.	72.	72.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/22/91-05/22/91	1	61.	61.	61.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/03/75-05/22/91	2	7.7	7.7	8.	7.4	0.18	0.424	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/03/75-05/22/91	2	2.	2.	2.	0.	0.	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	09/03/75-05/22/91	2	12.5	12.5	17.	8.	40.5	6.364	**	**	**
00400	PH (STANDARD UNITS)	09/03/75-05/22/91	2	7.05	7.05	7.1	7.	0.005	0.071	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/03/75-05/22/91	2	7.047	7.047	7.1	7.	0.005	0.071	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/75-05/22/91	2	0.09	0.09	0.1	0.079	0.	0.015	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/03/75-05/22/91	2	6.7	6.7	6.8	6.6	0.02	0.141	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/03/75-05/22/91	2	6.689	6.689	6.8	6.6	0.02	0.142	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/75-05/22/91	2	0.205	0.205	0.251	0.158	0.004	0.066	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CaCO3)	09/03/75-05/22/91	2	18.5	18.5	19.	18.	0.5	0.707	**	**	**
00500	RESIDUE, TOTAL (MG/L)	09/03/75-05/22/91	2	83.5	83.5	102.	65.	684.5	26.163	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	09/03/75-05/22/91	2	48.	48.	76.	20.	1568.	39.598	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	09/03/75-05/22/91	2	35.5	35.5	45.	26.	180.5	13.435	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/03/75-05/22/91	2	15.5	15.5	16.	15.	0.5	0.707	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/03/75-05/22/91	2	4.	4.	6.	2.	8.	2.828	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/03/75-05/22/91	2	11.5	11.5	13.	10.	4.5	2.121	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-05/22/91	2 ##	0.065	0.065	0.08	0.05	0.	0.021	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-05/22/91	2 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-05/22/91	2	0.165	0.165	0.24	0.09	0.011	0.106	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/75-05/22/91	2	0.4	0.4	0.5	0.3	0.02	0.141	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-05/22/91	2 ##	0.075	0.075	0.1	0.05	0.001	0.035	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-05/22/91	2 ##	0.023	0.023	0.04	0.005	0.001	0.025	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-05/22/91	2	6.2	6.2	9.	3.4	15.68	3.96	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CaCO3)	05/22/91-05/22/91	1	20.	20.	20.	20.	0.	0.	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	09/03/75-05/22/91	2	2.5	2.5	3.	2.	0.5	0.707	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/91-05/22/91	1	3.	3.	3.	3.	0.	0.	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	05/22/91-05/22/91	1	0.11	0.11	0.11	0.11	0.	0.	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SiO2)	05/22/91-05/22/91	1	14.5	14.5	14.5	14.5	0.	0.	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	05/22/91-05/22/91	1 ##	2.5	2.5	2.5	2.5	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0087

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/22/91-05/22/91	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/22/91-05/22/91	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/22/91-05/22/91	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMUM, TOTAL (UG/L AS CD)	05/22/91-05/22/91	1##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01028	CADMUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	1	26.	26.	26.	26.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/22/91-05/22/91	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/22/91-05/22/91	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/91-05/22/91	1	21.	21.	21.	21.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/22/91-05/22/91	1	1500.	1500.	1500.	1500.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/22/91-05/22/91	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/91-05/22/91	1	28.	28.	28.	28.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/91-05/22/91	1	640.	640.	640.	640.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/22/91-05/22/91	1	120.	120.	120.	120.	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	05/22/91-05/22/91	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/22/91-05/22/91	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	1	15.	15.	15.	15.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/22/91-05/22/91	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/91-05/22/91	1	63.	63.	63.	63.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	05/22/91-05/22/91	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/22/91-05/22/91	1	16.	16.	16.	16.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-05/22/91	2	495.	495.	790.	200.	174050.	417.193	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-05/22/91	2	2.599	2.599	2.898	2.301	0.178	0.422	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN = 397.492									
34480	THALLIUM DRY WGT&TMG/KG	05/22/91-05/22/91	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/22/91-05/22/91	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/22/91-05/22/91	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0087

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00						1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2	0	0.00	1	0	0.00			1	0	0.00			
00400	PH	Fresh Chronic	9.	2	0	0.00	1	0	0.00			1	0	0.00			
00403	PH, LAB	Other-Lo Lim.	6.5	2	0	0.00	1	0	0.00			1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2	0	0.00	1	0	0.00			1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	2	0	0.00	1	0	0.00			1	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	1	0	0.00			1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	2	0	0.00	1	0	0.00			1	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00						1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00						1	0	0.00			
01012	BERYLLIUM, TOTAL	Drinking Water	50.	1	0	0.00						1	0	0.00			
01027	CADMUM, TOTAL	Fresh Acute	130.	1	0	0.00						1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	4.	1	0	0.00						1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	3.9	1	0	0.00						1	0	0.00			
01051	LEAD, TOTAL	Drinking Water	5.	1	0	0.00						1	0	0.00			
01059	THALLIUM, TOTAL	Drinking Water	100.	1	0	0.00						1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	18.	1	0	0.00						1	0	0.00			
		Drinking Water	1300.	1	0	0.00						1	0	0.00			
		Fresh Acute	82.	1	0	0.00						1	0	0.00			
		Drinking Water	15.	1	0	0.00						1	0	0.00			
		Fresh Acute	1400.	1	0	0.00						1	0	0.00			
		Drinking Water	100.	1	0	0.00						1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0087

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00			
	Drinking Water	5000.	1	0	0.00							1	0	0.00			
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00			
	Drinking Water	50.	1	0	0.00							1	0	0.00			
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	2	1.00	1	1	1.00				1	1	1.00			
71900 MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00							1	0	0.00			
	Drinking Water	2.	1	0	0.00							1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0088

NPS Station ID: FRSP0088
 Location: KEATON'S RUN AT CATTLE CROSSING
 Station Type: /TYP/A/MBNT/STREAM

RMI-Indexes:
 RMI-Miles:

HUC: 02080103

Major Basin: NORTH ATLANTIC

Minor Basin: RAPPAHANNOCK AND YORK RIVERS-VA COAST

RF1 Index: 02080103

RF3 Index: RF1 Mile Point: 0.000

RF3 Mile Point: 0.000

LAT/LON: 38.330559/ -77.727782

Depth of Water: 0

Elevation: 0

Agency: 11NPSWRD
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): FRSP_NPS_02
 Within Park Boundary: No

Date Created: 10/10/98

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Description:
 THE STATION IS LOCATED ON THE CHANCELLORSVILLE; VIRGINIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 02 IS AT KEATON'S RUN AT A CATTLE CROSSING NORTH OF THE WILDERNESS BATTLEFIELD OUTSIDE OF THE FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STUDY WAS CONDUCTED BY THE NATIONAL PARK SERVICE; BEGINNING IN 1993; TO MONITOR WATER QUALITY AT SIX PERENNIAL STREAMS IN THE AREA OF THE PARK. THESE STREAMS WERE CHOSEN TO BE THE MOST LIKELY TO BE IMPACTED BY URBAN AND AGRICULTURAL POLLUTION. IN 1995 FOUR ADDITIONAL WATER QUALITY MONITORING STATIONS; SEVEN THROUGH TEN; WERE ADDED TO THE PROGRAM. DATA ARE FROM THE DBASE FILE WATERAQU.DBF CREATED BY FRSP. FOR MORE INFORMATION CONTACT FRSP'S CHIEF OF RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-371-0802). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER QUALITY DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3556).

Parameter Inventory for Station: FRSP0088

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-10/27/95	37	14.9	16.408	27.	1.4	68.419	8.272	4.78	9.35	24.95	26.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-07/26/95	31	22.8	21.155	34.2	-4.	86.919	9.323	9.42	14.6	27.2	32.48
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/29/95-10/27/95	6	1.	1.067	2.	0.4	0.267	0.516	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/20/93-10/27/95	37	62.	66.784	117.	25.	353.341	18.797	47.4	56.	77.5	98.8
03000	OXYGEN, DISSOLVED MG/L	01/20/93-10/27/95	34	9.9	9.671	16.	5.8	7.411	2.722	6.55	6.975	11.15	14.35
00406	PH, FIELD, STANDARD UNITS SU	01/20/93-10/27/95	36	6.925	6.833	9.59	4.34	0.698	0.835	5.911	6.495	7.16	7.599
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/20/93-10/27/95	36	6.925	5.787	9.59	4.34	1.823	1.35	5.911	6.495	7.16	7.599
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/20/93-10/27/95	36	0.119	1.633	45.709	0.	57.715	7.597	0.03	0.069	0.32	1.573
61272	INVALID PARAMETER	02/02/93-10/27/95	36	1.	1.089	2.	0.4	0.143	0.378	0.77	1.	1.	2.
61277	INVALID PARAMETER	03/02/93-10/27/95	31	0.25	0.262	0.5	0.	0.024	0.156	0.	0.22	0.25	0.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/20/93-10/27/95	37	32.	34.27	64.	13.	105.48	10.27	23.	28.	38.5	49.4

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0088

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	34	0	0.00	9	0	0.00	15	0	0.00	10	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	36	1	0.03	10	1	0.10	16	0	0.00	10	0	0.00
		Other-Lo Lim.	6.5	36	9	0.25	10	1	0.10	16	6	0.38	10	2	0.20

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0089

NPS Station ID: FRSP0089
 Location: KEATON'S RUN
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:

HUC: 02080103 Depth of Water: 0
 Major Basin: NORTH ATLANTIC Elevation: 0
 Minor Basin: RAPPAHANNOCK AND YORK RIVERS-VA COAST
 RF1 Index: 02080103 RF1 Mile Point: 0.000
 RF3 Index: RF3 Mile Point: 0.000

Description:
 THE STATION IS LOCATED ON THE CHANCELLORSVILLE, VIRGINIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 01 IS AT KEATON'S RUN NORTH OF THE WILDERNESS BATTLEFIELD OUTSIDE OF THE FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STUDY WAS CONDUCTED BY THE NATIONAL PARK SERVICE; BEGINNING IN 1993; TO MONITOR WATER QUALITY AT SIX PERENNIAL STREAMS IN THE AREA OF THE PARK. THESE STREAMS WERE CHOSEN TO BE THE MOST LIKELY TO BE IMPACTED BY URBAN AND AGRICULTURAL POLLUTION. IN 1995 FOUR ADDITIONAL WATER QUALITY MONITORING STATIONS; SEVEN THROUGH TEN; WERE ADDED TO THE PROGRAM. DATA ARE FROM THE DBASE FILE WATERAQU.DBF CREATED BY FRSP. FOR MORE INFORMATION CONTACT FRSP'S CHIEF OF RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-371-0802). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER QUALITY DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3556).

Agency: 11NPSWRD
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): FRSP_NPS_01
 Within Park Boundary: No

Date Created: 10/10/98

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0089

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-04/11/96	38	13.8	14.866	27.8	1.5	69.408	8.331	4.19	8.05	23.475	26.12
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-02/01/96	30	21.9	19.77	34.2	-4.	103.228	10.16	9.36	12.85	26.825	32.59
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/22/95-04/11/96	8	2.	1.6	3.	0.1	0.854	0.924	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/20/93-04/11/96	37	85.	89.324	137.	48.	566.225	23.795	59.	69.	110.5	122.4
03000	OXYGEN, DISSOLVED MG/L	01/20/93-04/11/96	34	9.95	9.438	13.6	2.	7.892	2.809	5.55	7.575	12.	13.05
00406	PH, FIELD, STANDARD UNITS SU	01/20/93-04/04/96	37	6.68	6.713	9.3	5.25	0.453	0.673	5.898	6.38	7.	7.36
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/20/93-04/04/96	37	6.68	6.269	9.3	5.25	0.656	0.81	5.898	6.38	7.	7.36
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/20/93-04/04/96	37	0.209	0.538	5.623	0.001	1.257	1.121	0.044	0.1	0.417	1.265
61272	INVALID PARAMETER	02/02/93-04/04/96	34	1.	1.165	4.5	0.4	0.515	0.718	0.8	1.	1.	2.
61277	INVALID PARAMETER	03/02/93-04/04/96	29	0.25	0.226	0.5	0.	0.017	0.131	0.	0.17	0.25	0.5
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/20/93-04/11/96	38	44.	44.553	69.	24.	147.443	12.143	27.9	34.5	54.25	61.1

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0089

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard		Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	34	1	0.03	8	0	0.00	16	0	0.00	10	1	0.10			
00406 PH, FIELD	Fresh Chronic	9.	37	1	0.03	9	0	0.00	19	1	0.05	9	0	0.00			
	Other-Lo Lim.	6.5	37	11	0.30	9	1	0.11	19	9	0.47	9	1	0.11			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0090

NPS Station ID: FRSP0090
 Location: KEATON RUN AT WILDERNESS, VA
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin:
 Minor Basin:
 RF1 Index: 02080103
 RF3 Index:
 Description:

LAT/LON: 38.325282/ -77.730004

Agency: 112WRD
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 01667905
 Within Park Boundary: No

Date Created: 02/29/92

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0090

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/91-08/20/91	1	21.	21.	21.	21.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/20/91-08/20/91	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	08/20/91-08/20/91	1	750.	750.	750.	750.	0.	0.	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/20/91-08/20/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/91-08/20/91	1	106.	106.	106.	106.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/20/91-08/20/91	1	5.2	5.2	5.2	5.2	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/20/91-08/20/91	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/20/91-08/20/91	1	7.2	7.2	7.2	7.2	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/91-08/20/91	1	0.063	0.063	0.063	0.063	0.063	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/20/91-08/20/91	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0090

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00								
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00								
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00								

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0091

NPS Station ID: FRSP0091
 Location: KEATONS RUN TRIB AT WILDERNESS, VA
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin:
 Minor Basin:
 RF1 Index: 02080103
 RF3 Index:
 Description:

LAT/LON: 38.331392/ -77.736115

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Agency: 112WRD
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 01667900
 Within Park Boundary: No

Date Created: 02/29/92

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0091

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/19/91-08/19/91	1	30.	30.	30.	30.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	08/19/91-08/19/91	1	750.	750.	750.	750.	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/19/91-08/19/91	1	0.08	0.08	0.08	0.08	0.08	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

***** No EPA Water Quality Criteria exist to compare against the data at this station. *****

Station Inventory for Station: FRSP0092

NPS Station ID: FRSP0092 LAT/LON: 38.301392/ -77.748615
Location: SOUTH WILDERNESS RUN AT WILDERNESS BATTLEFIELD
Station Type: /TYP4/AMBN/TSTREAM
RMI-Indexes:
RMI-Miles:
HUC: 02080103 Depth of Water: 0
Major Basin: NORTH ATLANTIC Elevation: 0
Minor Basin: RAPPAHANNOCK AND YORK RIVERS-VA COAST
RF1 Index: 02080103 RF1 Mile Point: 0.000
RF3 Index: RF3 Mile Point: 0.00

Agency: 11NPSWRD
FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
STORET Station ID(s): FRSP_NPS_06
Within Park Boundary: Yes

Date Created: 10/10/98

Description:
THE STATION IS LOCATED ON THE CHANCELLORSVILLE, VIRGINIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 06 IS AT SOUTH WILDERNESS RUN AT THE WILDERNESS BATTLEFIELD INSIDE OF THE FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STUDY WAS CONDUCTED BY THE NATIONAL PARK SERVICE; BEGINNING IN 1993; TO MONITOR WATER QUALITY AT SIX PERENNIAL STREAMS IN THE AREA OF THE PARK. THESE STREAMS WERE CHOSEN TO BE THE MOST LIKELY TO BE IMPACTED BY URBAN AND AGRICULTURAL POLLUTION. IN 1995 FOUR ADDITIONAL WATER QUALITY MONITORING STATIONS; SEVEN THROUGH TEN; WERE ADDED TO THE PROGRAM. DATA ARE FROM THE DBASE FILE WATERAQU.DBD CREATED BY FRSP. FOR MORE INFORMATION CONTACT FRSP'S CHIEF OF RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-371-0802). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER QUALITY DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3556).

On/Off RF1:
On/Off RF3:

Parameter Inventory for Station: FRSP0092

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-04/18/96	31	20.3	17.203	30.	2.8	92.413	9.613	3.36	8.5	25.7	27.7
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-08/02/95	26	24.4	21.235	34.2	-4.	117.728	10.85	0.17	14.4	27.9	33.
00061	FLOW, STREAM, INSTANTANEOUS CFS	08/02/95-04/25/96	4	1.4	1.525	3.	0.3	1.476	1.215	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/20/93-04/25/96	32	55.	56.094	78.	35.	83.572	9.142	45.	51.	61.75	68.
00300	OXYGEN, DISSOLVED MG/L	01/20/93-04/25/96	32	9.1	8.675	14.6	2.4	9.372	3.061	4.86	6.2	11.025	12.54
00406	PH, FIELD, STANDARD UNITS SU	01/20/93-04/25/96	32	6.92	6.793	9.8	4.18	1.26	1.122	5.105	6.4	7.128	7.455
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/20/93-04/25/96	32	6.919	5.334	9.8	4.18	3.455	1.859	5.105	6.4	7.128	7.455
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/20/93-04/25/96	32	0.121	4.631	66.069	0	236.769	15.387	0.036	0.075	0.398	13.349
61272	INVALID PARAMETER	02/02/93-04/18/96	30	1.	1.19	3.	0.5	0.311	0.557	0.52	1.	1.125	2.
61277	INVALID PARAMETER	03/02/93-04/11/96	24	0.25	0.195	0.25	0.	0.009	0.096	0.	0.163	0.25	0.25
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C).MG/L	01/20/93-04/25/96	32	27.5	27.813	38.	17.	20.48	4.525	22.3	25.25	30.75	34.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0092

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	32	2	0.06	9	0	0.00	12	1	0.08	11	1	0.09
00406	PH, FIELD	Fresh Chronic	9.	32	2	0.06	10	2	0.20	12	0	0.00	10	0	0.00
		Other-Lo Lim.	6.5	32	9	0.28	10	2	0.20	12	4	0.33	10	3	0.30

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0093

NPS Station ID: FRSP0093 LAT/LON: 38.311115/ -77.750005 Date Created: 10/10/98
 Location: NORTH WILDERNESS RUN AT CATTLE CROSSING FIPS State/County: 51137 VIRGINIA/ORANGE
 Station Type: /TYP/A/MBNT/STREAM STORET Station ID(s): FRSP_NPS_05
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103 Depth of Water: 0 Aquifer:
 Major Basin: NORTH ATLANTIC Elevation: 0 Water Body Id:
 Minor Basin: RAPPAHANNOCK AND YORK RIVERS-VA COAST ECO Region:
 RF1 Index: 02080103 RF1 Mile Point: 0.000 Distance from RF1: 0.00 On/Off RF1:
 RF3 Index: RF3 Mile Point: 0.00 Distance from RF3: 0.00 On/Off RF3:
 Description:

THE STATION IS LOCATED ON THE CHANCELLORSVILLE; VIRGINIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 05 IS AT NORTH WILDERNESS RUN AT A CATTLE CROSSING AT THE WILDERNESS BATTLEFIELD INSIDE OF THE FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STUDY WAS CONDUCTED BY THE NATIONAL PARK SERVICE; BEGINNING IN 1993; TO MONITOR WATER QUALITY AT SIX PERENNIAL STREAMS IN THE AREA OF THE PARK. THESE STREAMS WERE CHOSEN TO BE THE MOST LIKELY TO BE IMPACTED BY URBAN AND AGRICULTURAL POLLUTION. IN 1995 FOUR ADDITIONAL WATER QUALITY MONITORING STATIONS; SEVEN THROUGH TEN; WERE ADDED TO THE PROGRAM. DATA ARE FROM THE DBASE FILE WATERAQU.DBF CREATED BY FRSP. FOR MORE INFORMATION CONTACT FRSP'S CHIEF OF RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-371-0802). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER QUALITY DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3556).

Parameter Inventory for Station: FRSP0093

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-08/28/95	27	14.3	15.685	29.6	3.7	71.087	8.431	4.16	6.3	22.6	27.6
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-08/28/95	23	21.8	18.987	34.2	-4.	133.442	11.552	7.62	-4.	27.2	33.3
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/01/95-08/09/95	4	0.115	0.14	0.3	0.03	0.018	0.133	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/20/93-08/28/95	27	61.	77.185	178.	46.	1199.311	34.631	46.	51.	99.	131.6
03000	OXYGEN, DISSOLVED MG/L	01/20/93-08/28/95	26	10.45	9.942	14.8	5.3	6.578	2.565	6.38	7.55	12.	12.78
00406	PH, FIELD, STANDARD UNITS SU	01/20/93-08/28/95	25	6.96	6.691	8.84	3.92	1.334	1.155	4.646	6.24	7.345	7.908
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/20/93-08/28/95	25	6.96	5.056	8.84	3.92	4.118	2.029	4.646	6.24	7.345	7.908
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/20/93-08/28/95	25	0.11	8.79	120.226	0.001	790.356	28.113	0.017	0.045	0.575	37.637
61272	INVALID PARAMETER	02/03/93-08/28/95	25	1.	1.168	4.5	1.	0.491	0.701	1.	1.	1.	1.34
61277	INVALID PARAMETER	03/02/93-08/28/95	21	0.25	0.21	0.25	0.	0.007	0.085	0.01	0.235	0.25	0.25
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/20/93-08/28/95	27	31.	36.963	90.	23.	246.652	15.705	23.	26.	48.	56.6

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0093

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	26	0	0.00	6	0	0.00	13	0	0.00	7	0	0.00
00406	PH, FIELD	Fresh Chronic	9.	25	0	0.00	6	0	0.00	11	0	0.00	8	0	0.00
		Other-Lo Lim.	6.5	25	8	0.32	6	3	0.50	11	4	0.36	8	1	0.13

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0094

NPS Station ID: FRSP0094	LAT/LON: 38.311115/ -77.750005	Agency: 11NPSWRD	Date Created: 10/10/98							
Location: NORTH WILDERNESS RUN AT WILDERNESS BATTLEFIELD		FIPS State/County: 51137 VIRGINIA/ORANGE								
Station Type: /TYP/A/MBNT/STREAM		STORET Station ID(s): FRSP_NPS_04								
RMI-Indexes:		Within Park Boundary: Yes								
RMI-Miles:										
HUC: 02080103	Depth of Water: 0	Aquifer:								
Major Basin: NORTH ATLANTIC	Elevation: 0	Water Body Id:								
Minor Basin: RAPPAHANNOCK AND YORK RIVERS-VA COAST	RF1 Mile Point: 0.000	ECO Region:								
RF1 Index: 02080103	RF3 Mile Point: 0.00	Distance from RF1: 0.00	On/Off RF1:							
RF3 Index:		Distance from RF3: 0.00	On/Off RF3:							
Description:										
THE STATION IS LOCATED ON THE CHANCELLORSVILLE; VIRGINIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. STATION 04 IS AT NORTH WILDERNESS RUN AT THE WILDERNESS BATTLEFIELD INSIDE OF THE FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK (FRSP). THE STUDY WAS CONDUCTED BY THE NATIONAL PARK SERVICE; BEGINNING IN 1993; TO MONITOR WATER QUALITY AT SIX PERENNIAL STREAMS IN THE AREA OF THE PARK. THESE STREAMS WERE CHOSEN TO BE THE MOST LIKELY TO BE IMPACTED BY URBAN AND AGRICULTURAL POLLUTION. IN 1995 FOUR ADDITIONAL WATER QUALITY MONITORING STATIONS; SEVEN THROUGH TEN; WERE ADDED TO THE PROGRAM. DATA ARE FROM THE DBASE FILE WATERAQU.DBF CREATED BY FRSP. FOR MORE INFORMATION CONTACT FRSP'S CHIEF OF RESOURCES AT 120 CHATHAM LANE; FREDERICKSBURG VA 22405 (TEL. 540-371-0802). DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NATIONAL PARK SERVICE WATER QUALITY DIVISION; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3556).										

Parameter Inventory for Station: FRSP0094

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	01/20/93-04/18/96	39	16.	15.977	30.6	3.3	78.892	8.882	3.8	5.9	24.8	25.9
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	01/20/93-08/02/95	32	22.3	19.825	34.2	-4.	117.774	10.852	7.34	10.95	27.2	32.37
00061	FLOW, STREAM, INSTANTANEOUS CFS	03/13/95-02/08/96	7	0.8	0.9	2.	0.3	0.31	0.557	**	**	**	**
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	01/20/93-04/18/96	40	70.	78.55	177.	35.	985.023	31.385	46.1	54.25	101.	125.
03000	OXYGEN, DISSOLVED MG/L	01/20/93-04/11/96	39	9.8	8.962	13.6	2.	9.182	3.03	5.2	6.2	11.4	12.5
00406	PH, FIELD, STANDARD UNITS SU	01/20/93-04/18/96	37	6.7	6.577	8.9	4.1	0.932	0.966	5.248	6.135	7.195	7.662
00406	CONVERTED PH, FIELD, STANDARD UNITS	01/20/93-04/18/96	37	6.7	5.328	8.9	4.1	2.536	1.592	5.248	6.135	7.195	7.662
00406	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/20/93-04/18/96	37	0.2	4.697	79.433	0.001	251.869	15.87	0.022	0.064	0.739	7.767
61272	INVALID PARAMETER	02/02/93-04/18/96	39	1.	1.297	7.	0.5	1.166	1.08	1.	1.	1.	2.
61277	INVALID PARAMETER	03/02/93-04/11/96	31	0.25	0.197	0.25	0.	0.009	0.097	0.	0.21	0.25	0.25
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	01/20/93-04/18/96	40	35.	39.275	88.	18.	240.358	15.503	23.	27.5	50.	62.9

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0094

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	39	3	0.08	10	2	0.20	19	0	0.00	10	1	0.10
00406	PH, FIELD	Fresh Chronic	9.	37	0	0.00	10	0	0.00	16	0	0.00	11	0	0.00
		Other-Lo Lim.	6.5	37	17	0.46	10	6	0.60	16	8	0.50	11	3	0.27

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0095

NPS Station ID: FRSP0095
 Location: HILL EWELL DRIVE (ORANGE CO)
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080103
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
 RIVER: NORTH WILDERNESS RUN SECTION: 04F TOPO MAP #: 0029 TOPO MAP NAME: MINE RUN, VA

LAT/LON: 38.310559/ -77.751392

Agency: 21VASWCB
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 3-WNR000.88
 Within Park Boundary: Yes

Date Created: 05/01/93

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0095

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/22/91-05/22/91	1	20.5	20.5	20.5	0.	0.	**	**	**	**
00070	TURBIDITY, (JACKSON CANDLE UNITS)	05/22/91-05/22/91	1	7.3	7.3	7.3	0.	0.	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	05/22/91-05/22/91	1	88.	88.	88.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	05/22/91-05/22/91	1	78.	78.	78.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/22/91-05/22/91	1	8.	8.	8.	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/22/91-05/22/91	1	2.	2.	2.	0.	0.	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	05/22/91-05/22/91	1	13.	13.	13.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	05/22/91-05/22/91	1	7.	7.	7.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	05/22/91-05/22/91	1	7.	7.	7.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/22/91-05/22/91	1	0.1	0.1	0.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	05/22/91-05/22/91	1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	05/22/91-05/22/91	1	7.1	7.1	7.1	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/22/91-05/22/91	1	0.079	0.079	0.079	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	05/22/91-05/22/91	1	34.	34.	34.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	05/22/91-05/22/91	1	75.	75.	75.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	05/22/91-05/22/91	1	23.	23.	23.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	05/22/91-05/22/91	1	52.	52.	52.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	05/22/91-05/22/91	1	6.	6.	6.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	05/22/91-05/22/91	1	1.	1.	1.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	05/22/91-05/22/91	1	5.	5.	5.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/22/91-05/22/91	1 ##	0.02	0.02	0.02	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/22/91-05/22/91	1 ##	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	05/22/91-05/22/91	1	0.04	0.04	0.04	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/22/91-05/22/91	1	0.3	0.3	0.3	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	05/22/91-05/22/91	1 ##	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	05/22/91-05/22/91	1	0.01	0.01	0.01	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/22/91-05/22/91	1	3.1	3.1	3.1	0.	0.	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/22/91-05/22/91	1	30.	30.	30.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	05/22/91-05/22/91	1	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	05/22/91-05/22/91	1	2.	2.	2.	0.	0.	**	**	**	**
00951	FLUORIDE, TOTAL (MG/L AS F)	05/22/91-05/22/91	1	0.13	0.13	0.13	0.13	0.	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/22/91-05/22/91	1	24.2	24.2	24.2	24.2	0.	**	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	05/22/91-05/22/91	1 ##	2.5	2.5	2.5	2.5	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0095

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	05/22/91-05/22/91	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	05/22/91-05/22/91	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01013	BERYLLIUM IN BOTTOM DEPOSITS(MG/KG AS BE DRY WGT)	05/22/91-05/22/91	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	05/22/91-05/22/91	1##	1.5	1.5	1.5	1.5	0.	0.	**	**	**	**
01028	CADMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM,TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	1	17.	17.	17.	17.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	05/22/91-05/22/91	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	05/22/91-05/22/91	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	05/22/91-05/22/91	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/22/91-05/22/91	1	2600.	2600.	2600.	2600.	0.	0.	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	05/22/91-05/22/91	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	05/22/91-05/22/91	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	05/22/91-05/22/91	1	810.	810.	810.	810.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/22/91-05/22/91	1	470.	470.	470.	470.	0.	0.	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	05/22/91-05/22/91	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	05/22/91-05/22/91	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	05/22/91-05/22/91	1	11.	11.	11.	11.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	05/22/91-05/22/91	1	20.	20.	20.	20.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	05/22/91-05/22/91	1	25.	25.	25.	25.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	05/22/91-05/22/91	1##	2.5	2.5	2.5	2.5	0.	0.	**	**	**	**
01148	SELENIUM IN BOTTOM DEPOSITS (MG/KG AS SE DRY WGT)	05/22/91-05/22/91	1	10.	10.	10.	10.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/22/91-05/22/91	1	45.	45.	45.	45.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/22/91-05/22/91	1	1.653	1.653	1.653	1.653	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN = 45.									
34480	THALLIUM DRY WGT&TMG/KG	05/22/91-05/22/91	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	05/22/91-05/22/91	1##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	05/22/91-05/22/91	1##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0095

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070	TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	1	0	0.00						1	0	0.00			
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00						1	0	0.00			
00400	PH	Fresh Chronic	9.	1	0	0.00						1	0	0.00			
00403	PH, LAB	Other-Lo Lim.	6.5	1	0	0.00						1	0	0.00			
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00						1	0	0.00			
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00						1	0	0.00			
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00						1	0	0.00			
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1	0	0.00						1	0	0.00			
00951	FLUORIDE, TOTAL AS F	Drinking Water	4.	1	0	0.00						1	0	0.00			
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00						1	0	0.00			
01012	BERYLLIUM, TOTAL	Drinking Water	50.	1	0	0.00						1	0	0.00			
01027	CADMIUM, TOTAL	Fresh Acute	130.	1	0	0.00						1	0	0.00			
01034	CHROMIUM, TOTAL	Drinking Water	4.	1	0	0.00						1	0	0.00			
01042	COPPER, TOTAL	Fresh Acute	3.9	1	0	0.00						1	0	0.00			
01051	LEAD, TOTAL	Drinking Water	5.	1	0	0.00						1	0	0.00			
01059	THALLIUM, TOTAL	Drinking Water	100.	1	0	0.00						1	0	0.00			
01067	NICKEL, TOTAL	Fresh Acute	18.	1	0	0.00						1	0	0.00			
		Drinking Water	1300.	1	0	0.00						1	0	0.00			
		Fresh Acute	82.	1	0	0.00						1	0	0.00			
		Drinking Water	15.	1	0	0.00						1	0	0.00			
		Fresh Acute	1400.	1	0	0.00						1	0	0.00			
		Drinking Water	100.	1	0	0.00						1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0095

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
01092 ZINC, TOTAL	Fresh Acute	120.	1	0	0.00							1	0	0.00
	Drinking Water	5000.	1	0	0.00							1	0	0.00
01147 SELENIUM, TOTAL	Fresh Acute	20.	1	0	0.00							1	0	0.00
	Drinking Water	50.	1	0	0.00							1	0	0.00
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00							1	0	0.00
	Fresh Acute	2.4	1	0	0.00							1	0	0.00
71900 MERCURY, TOTAL	Drinking Water	2.	1	0	0.00							1	0	0.00

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0096

NPS Station ID: FRSP0096
 Location: PIPE DAM RUN VA 620 BR
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin: RAPPAHANNOCK RIVER
 Minor Basin: PYPE DAM RUN LAROGUE RUN &
 RF1 Index: 02080103046
 RF3 Index:
 Description:
 PRE-IMPOUNDMENT STUDY IN RAPPAHANNOCK RIVER BASIN IN THE VICINITY OF THE PROPOSED SALEM CHURCH LAKE. REQUESTED BY ARMY CORPS OF ENGINEERS

LAT/LON: 38.352503/ -77.753060

Agency: 1113VABD
 FIPS State/County: 51177 VIRGINIA/SPOTSYLVANIA
 STORET Station ID(s): R 9 /LAROGUE RUN
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 2.540
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0096

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0097

NPS Station ID: FRSP0097
 Location: FLAT RUN NEAR FLAT RUN, VA
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin:
 Minor Basin:
 RF1 Index: 02080103
 RF3 Index:
 Description:

LAT/LON: 38.353059/ -77.753616

Agency: 112WRD
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 01667890
 Within Park Boundary: No

Date Created: 02/17/90

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-10/01/91	9	21.	19.444	32.	10.	49.965	7.069	10.	12.75	24.	32.
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-10/01/91	9	23.	20.167	32.	6.5	76.438	8.743	6.5	12.25	27.5	32.
00025	BAROMETRIC PRESSURE (MM OF HG)	07/24/89-10/01/91	8	760.	758.375	765.	748.	35.411	5.951	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-10/01/91	9	0.2	6.598	54.	0.08	316.868	17.801	0.08	0.1	2.	54.
00065	STAGE, STREAM (FEET)	10/03/90-10/01/91	3	2.38	4.01	7.53	2.12	9.31	3.051	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/24/89-03/30/91	3	22.	19.667	25.	12.	46.333	6.807	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-10/01/91	9	98.	82.889	116.	49.	766.611	27.688	49.	55.5	106.5	116.
00300	OXYGEN, DISSOLVED MG/L	07/24/89-10/01/91	9	8.8	8.844	10.6	6.8	1.615	1.271	6.8	7.85	9.8	10.6
00400	PH (STANDARD UNITS)	07/24/89-10/01/91	9	7.3	7.156	7.6	6.2	0.195	0.442	6.2	6.9	7.45	7.6
00400	CONVERTED PH (STANDARD UNITS)	07/24/89-10/01/91	9	7.3	6.891	7.6	6.2	0.274	0.523	6.2	6.9	7.45	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-10/01/91	9	0.05	0.129	0.631	0.025	0.038	0.196	0.025	0.036	0.139	0.631
00403	PH, LAB, STANDARD UNITS SU	07/24/89-03/30/91	3	7.2	7.3	7.5	7.2	0.03	0.173	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/24/89-03/30/91	3	7.2	7.279	7.5	7.2	0.031	0.175	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-03/30/91	3	0.063	0.053	0.063	0.032	0.	0.018	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-03/30/91	3	0.04	0.037	0.05	0.02	0.	0.015	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/89-03/30/91	3	0.3	0.433	0.7	0.3	0.053	0.231	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/89-03/30/91	3##	0.05	0.073	0.12	0.05	0.002	0.04	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/89-03/30/91	3##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/24/89-03/30/91	3	4.6	4.933	5.6	4.6	0.333	0.577	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/89-03/30/91	3	4.1	3.933	4.3	3.4	0.223	0.473	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/89-03/30/91	3	1.9	2.	2.2	1.9	0.03	0.173	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/24/89-03/30/91	3	2.9	3.133	3.7	2.8	0.243	0.493	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/24/89-03/30/91	3	1.3	1.3	1.4	1.2	0.01	0.1	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	07/24/89-03/30/91	3	3.	3.333	4.	3.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/24/89-03/30/91	3	7.	7.667	9.	7.	1.333	1.155	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/24/89-03/30/91	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/24/89-03/30/91	3	4.6	4.633	5.	4.3	0.123	0.351	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/89-03/30/91	3##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	09/05/89-09/05/89	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	09/05/89-09/05/89	1	8.	8.	8.	8.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/89-03/30/91	3##	0.5	1.	2.	0.5	0.75	0.866	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/24/89-03/30/91	3	3.	3.	3.	5.	1.	4.	2.	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/05/89-09/05/89	1	18.	18.	18.	18.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/24/89-03/30/91	3	330.	293.333	380.	170.	12033.333	109.697	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/24/89-03/30/91	3	130.	126.333	160.	89.	1270.333	35.642	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/24/89-03/30/91	3	1.	1.	1.	1.	0.	0.	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/05/89-09/05/89	1##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0097

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/05/89-09/05/89	1	600.	600.	600.	0.	0.	**	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/24/89-03/30/91	3	90.	96.667	150.	50.	2533.333	50.332	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/24/89-03/30/91	3	49.	63.667	110.	32.	1682.333	41.016	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/24/89-03/30/91	3	1.	1.333	2.	1.	0.333	0.577	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/24/89-03/30/91	3##	5.	10.	20.	5.	75.	8.66	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/05/89-09/05/89	1	60.	60.	60.	60.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/05/89-09/05/89	1	10000.	10000.	10000.	10000.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	3	25.	106.333	284.	10.	23730.333	154.047	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	3	1.398	1.617	2.453	1.	0.564	0.751	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM			GEOMETRIC MEAN =	41.408								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/89-03/30/91	3##	0.5	1.667	4.	0.5	4.083	2.021	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/89-03/30/91	3	39.	37.333	42.	31.	32.333	5.686	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/24/89-03/30/91	3##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/24/89-03/30/91	3	0.5	0.583	1.2	0.05	0.336	0.58	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/05/89-08/19/91	2	0.04	0.04	0.04	0.04	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0097

Parameter	Std. Type	Std. Value	Total	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Exceed		Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	0	0.00	6	0	0.00	3	0	0.00					
00400	PH	Fresh Chronic	9.	9	0	0.00	6	0	0.00	3	0	0.00					
00403	PH, LAB	Other-Lo Lim.	6.5	9	1	0.11	6	1	0.17	3	0	0.00					
		Fresh Chronic	9.	3	0	0.00	1	0	0.00	2	0	0.00					
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00					
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00					
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00	2	0	0.00					
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	2	0	0.00					
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00					
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	2	0	0.00					
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	1	0	0.00	2	0	0.00					
01034	CHROMIUM, TOTAL	Drinking Water	5.	3	0	0.00	1	0	0.00	2	0	0.00					
01042	COPPER, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00	2	0	0.00					
01051	LEAD, TOTAL	Fresh Acute	18.	3	0	0.00	1	0	0.00	2	0	0.00					
		Drinking Water	1300.	3	0	0.00	1	0	0.00	2	0	0.00					
		Fresh Acute	82.	3	0	0.00	1	0	0.00	2	0	0.00					
		Drinking Water	15.	3	0	0.00	1	0	0.00	2	0	0.00					
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00	2	0	0.00					
01092	ZINC, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00	2	0	0.00					
		Fresh Acute	120.	3	0	0.00	1	0	0.00	2	0	0.00					
		Drinking Water	5000.	3	0	0.00	1	0	0.00	2	0	0.00					
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	3	1	0.33	1	1	1.00	2	0	0.00					
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	1	0	0.00	2	0	0.00					
		Drinking Water	2.	3	0	0.00	1	0	0.00	2	0	0.00					

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0098

NPS Station ID: FRSP0098
 Location: RT. 3 (ORANGE CO)
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080103
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: FLAT RUN SECTION: 04

LAT/LON: 38.353059/ -77.753893

Agency: 21VASWCB
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 3-FLT003.05
 Within Park Boundary: No

Date Created: 05/01/93

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

AMBIENT MONITORING BASIN: 3- RAPPAHANOCK
 TOPO MAP #: 0028 TOPO MAP NAME: MINE RUN, VA

REGION: 3 NORTHERN

Parameter Inventory for Station: FRSP0098

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	09/03/75-09/03/75	1	7.8	7.8	7.8	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/03/75-09/03/75	1	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, 25N K2CR207 MG/L	09/03/75-09/03/75	1	12.	12.	12.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/03/75-09/03/75	1	7.	7.	7.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/03/75-09/03/75	1	7.	7.	7.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/75-09/03/75	1	0.1	0.1	0.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/03/75-09/03/75	1	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/03/75-09/03/75	1	6.7	6.7	6.7	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/75-09/03/75	1	0.2	0.2	0.2	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/03/75-09/03/75	1	20.	20.	20.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	09/03/75-09/03/75	1	75.	75.	75.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	09/03/75-09/03/75	1	53.	53.	53.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	09/03/75-09/03/75	1	22.	22.	22.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/03/75-09/03/75	1	8.	8.	8.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/03/75-09/03/75	1	4.	4.	4.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/03/75-09/03/75	1	4.	4.	4.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-09/03/75	1##	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	1##	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	1##	0.025	0.025	0.025	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/75-09/03/75	1	0.2	0.2	0.2	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-09/03/75	1##	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-09/03/75	1##	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-09/03/75	1	8.	8.	8.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	09/03/75-09/03/75	1	3.	3.	3.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	1##	50.	50.	50.	50.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	1##	1.699	1.699	1.699	1.699	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	50.							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0098

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00						
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00						
00403	PH, LAB	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00						
		Fresh Chronic	9.	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00						
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Drinking Water	250.	1	0	0.00	1	0	0.00						
		Other-Hi Lim.	200.	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0099

NPS Station ID: FRSP0099
 Location: RAPIDAN R AT RT 3 BRIDGE
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes: 0215046 001270
 RMI-Miles: 0122.70 0013.90
 HUC: 02080103
 Major Basin: NORTH ATLANTIC
 Minor Basin: YORK-RAPPAHANNOCK R
 RF1 Index: 02080103029
 RF3 Index:
 Description:

LAT/LON: 38.378893/ -77.785837

Agency: 1113REG3
 FIPS State/County: 51047 VIRGINIA/CULPEPER
 STORET Station ID(s): 5104703 /SC-5
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 5.010
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0099

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0100

NPS Station ID: FRSP0100
 Location: 647 BR NEAR LIGNUM VA
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin: RAPPAHANNOCK RIVER
 Minor Basin: RAPIDAN RIVER BROOK RUN VA
 RF1 Index: 02080103029
 RF3 Index:
 Description:
 PRE-IMPOUNDMENT STUDY IN RAPPAHANNOCK RIVER BASIN IN THE VICINITY OF THE PROPOSED SALEM CHURCH LAKE. REQUESTED BY ARMY CORPS OF ENGINEERS

LAT/LON: 38.378893/ -77.786115

Agency: 1113VABD
 FIPS State/County: 51047 VIRGINIA/CULPEPER
 STORET Station ID(s): R 12 /BROOK RUN
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 5.010
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

Parameter Inventory for Station: FRSP0100

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
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***** No Parameter Data Available for this Station *****

Station Inventory for Station: FRSP0101

NPS Station ID: FRSP0101
 Location: RUSSELL RUN NEAR FLAT RUN, VA
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin:
 Minor Basin:
 RF1 Index: 02080103
 RF3 Index:
 Description:

LAT/LON: 38.369448/ -77.799448

Agency: 112WRD
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 01667880
 Within Park Boundary: No

Date Created: 12/30/89

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-03/30/91	6	13.25	14.917	25.	9.5	38.542	6.208	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-03/30/91	6	19.	18.	30.	8.	72.	8.485	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	07/24/89-03/30/91	5	760.	760.2	765.	755.	22.7	4.764	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-03/30/91	6	1.5	5.95	30.	0.2	139.375	11.806	**	**	**	**
00065	STAGE, STREAM (FEET)	10/03/90-11/29/90	2	4.455	4.455	4.53	4.38	0.011	0.106	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/24/89-03/30/91	3	55.	56.667	80.	35.	508.333	22.546	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-03/30/91	6	42.5	46.5	65.	41.	85.1	9.225	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/24/89-03/30/91	6	9.4	9.55	11.1	7.9	1.511	1.229	**	**	**	**
00400	PH (STANDARD UNITS)	07/24/89-03/30/91	6	7.15	7.1	7.8	6.4	0.208	0.456	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/24/89-03/30/91	6	7.147	6.906	7.8	6.4	0.253	0.503	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-03/30/91	6	0.071	0.124	0.398	0.016	0.019	0.139	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/24/89-03/30/91	3	7.1	6.933	7.2	6.5	0.143	0.379	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/24/89-03/30/91	3	7.1	6.816	7.2	6.5	0.164	0.405	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-03/30/91	3	0.079	0.153	0.316	0.063	0.02	0.142	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/24/89-03/30/91	3	0.02	0.023	0.03	0.02	0.	0.006	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/24/89-03/30/91	3	0.4	0.433	0.7	0.2	0.063	0.252	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/24/89-03/30/91	3 ##	0.05	0.07	0.11	0.05	0.001	0.035	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/24/89-03/30/91	3	0.02	0.033	0.07	0.01	0.001	0.032	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/24/89-03/30/91	3	4.3	5.8	9.	4.1	7.69	2.773	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/24/89-03/30/91	3	2.8	2.8	3.	2.6	0.04	0.2	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/24/89-03/30/91	3	1.7	1.7	1.8	1.6	0.01	0.1	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/24/89-03/30/91	3	2.5	2.567	2.9	2.3	0.093	0.306	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/24/89-03/30/91	3	1.	1.033	1.1	1.	0.003	0.058	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	07/24/89-03/30/91	3	2.	2.	2.	2.	0.	0.	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/24/89-03/30/91	3	2.	3.667	7.	2.	8.333	2.887	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/24/89-03/30/91	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/24/89-03/30/91	3	11.	9.467	11.	6.4	7.053	2.656	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/24/89-03/30/91	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	09/05/89-09/05/89	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	09/05/89-09/05/89	1	7.	7.	7.	7.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/24/89-03/30/91	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/24/89-03/30/91	3	2.	2.	3.	1.	1.	1.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/05/89-09/05/89	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/24/89-03/30/91	3	1400.	1463.333	2000.	990.	258033.333	507.97	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/24/89-03/30/91	3	510.	533.333	700.	390.	24433.333	156.312	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/24/89-03/30/91	3	2.	1.667	2.	1.	0.333	0.577	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/05/89-09/05/89	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0101

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/05/89-09/05/89	1	340.	340.	340.	340.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/24/89-03/30/91	3	70.	73.333	90.	60.	233.333	15.275	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/24/89-03/30/91	3	57.	59.667	73.	49.	149.333	12.22	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/24/89-03/30/91	3	3.	2.667	4.	1.	2.333	1.528	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/24/89-03/30/91	3##	5.	5.	5.	5.	0.	0.	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/05/89-09/05/89	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/05/89-09/05/89	1	5000.	5000.	5000.	5000.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	3	258.	1019.333	2650.	150.	1997221.333	1413.231	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	3	2.412	2.67	3.423	2.176	0.439	0.663	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM			GEOMETRIC MEAN =	468.079								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/24/89-03/30/91	3	2.	1.833	3.	0.5	1.583	1.258	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/24/89-03/30/91	3	38.	39.	41.	38.	3.	1.732	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/24/89-03/30/91	3	0.01	0.012	0.02	0.005	0.	0.008	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/24/89-03/30/91	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/05/89-09/05/89	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0101

Parameter	Std. Type	Std. Value	Total	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Exceed		Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	6	0	0.00	3	0	0.00	3	0	0.00					
00400	PH	Fresh Chronic	9.	6	0	0.00	3	0	0.00	3	0	0.00					
00403	PH, LAB	Other-Lo Lim.	6.5	6	1	0.17	3	1	0.33	3	0	0.00					
		Fresh Chronic	9.	3	0	0.00	1	0	0.00	2	0	0.00					
		Other-Lo Lim.	6.5	3	1	0.33	1	0	0.00	2	1	0.50					
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00					
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00	2	0	0.00					
00940	CHLORIDE,TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	2	0	0.00					
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00					
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	2	0	0.00					
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	1	0	0.00	2	0	0.00					
01034	CHROMIUM, TOTAL	Drinking Water	5.	3	0	0.00	1	0	0.00	2	0	0.00					
01042	COPPER, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00	2	0	0.00					
01051	LEAD, TOTAL	Fresh Acute	18.	3	0	0.00	1	0	0.00	2	0	0.00					
		Drinking Water	1300.	3	0	0.00	1	0	0.00	2	0	0.00					
		Fresh Acute	82.	3	0	0.00	1	0	0.00	2	0	0.00					
		Drinking Water	15.	3	0	0.00	1	0	0.00	2	0	0.00					
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00	2	0	0.00					
01092	ZINC, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00	2	0	0.00					
		Fresh Acute	120.	3	0	0.00	1	0	0.00	2	0	0.00					
31625	FECAL COLIFORM, MF	Drinking Water	5000.	3	0	0.00	1	0	0.00	2	0	0.00					
71900	MERCURY, TOTAL	Other-Hi Lim.	200.	3	2	0.67	1	0	0.00	2	2	1.00					
		Fresh Acute	2.4	3	0	0.00	1	0	0.00	2	0	0.00					
		Drinking Water	2.	3	0	0.00	1	0	0.00	2	0	0.00					

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0102

NPS Station ID: FRSP0102
 Location: RT. 603 (ORANGE CO)
 Station Type: /TYP/A MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080103
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: RUSSELL RUN SECTION: 04 AMBIENT MONITORING BASIN: 3- RAPPAHANOCK
 TOPO MAP #: 0029 TOPO MAP NAME: MINE RUN, VA

LAT/LON: 38.369726/ -77.799727

Agency: 21VASWCB
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 3-RUL000.39
 Within Park Boundary: No

Date Created: 05/01/93

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

REGION: 3 NORTHERN

Parameter Inventory for Station: FRSP0102

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	09/03/75-09/03/75	1	9.2	9.2	9.2	9.2	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/03/75-09/03/75	1	1.	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, 25N K2CR207 MG/L	09/03/75-09/03/75	1	8.	8.	8.	8.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/03/75-09/03/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/03/75-09/03/75	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/75-09/03/75	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/03/75-09/03/75	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/03/75-09/03/75	1	6.6	6.6	6.6	6.6	0.	0.	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/75-09/03/75	1	0.251	0.251	0.251	0.251	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/03/75-09/03/75	1	16.	16.	16.	16.	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	09/03/75-09/03/75	1	84.	84.	84.	84.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	09/03/75-09/03/75	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	09/03/75-09/03/75	1	31.	31.	31.	31.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/03/75-09/03/75	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/03/75-09/03/75	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/03/75-09/03/75	1	14.	14.	14.	14.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-09/03/75	1##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-09/03/75	1	0.18	0.18	0.18	0.18	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/75-09/03/75	1	0.3	0.3	0.3	0.3	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-09/03/75	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-09/03/75	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-09/03/75	1	11.	11.	11.	11.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	09/03/75-09/03/75	1	4.	4.	4.	4.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	1	200.	200.	200.	200.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	1	2.301	2.301	2.301	2.301	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =		200.							

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0102

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00	1	0	0.00						
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00						
00403	PH, LAB	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00						
		Fresh Chronic	9.	1	0	0.00	1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00	1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00	1	0	0.00						
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00	1	0	0.00						
		Drinking Water	250.	1	0	0.00	1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	1	1.00	1	1	1.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0103

NPS Station ID: FRSP0103
 Location: ROUTE 3 (CULPEPER COUNTY)
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080103
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: FIELDS RUN SECTION: 04 AMBIENT MONITORING
 BASIN: 3- RAPPAHANOCK
 TOPO MAP #: 0028 TOPO MAP NAME: GERMANNA BRIDGE, VA

LAT/LON: 38.396115/ -77.804448

Agency: 21VASWCB
 FIPS State/County: 51047 VIRGINIA/CULPEPER
 STORET Station ID(s): 3-FLD001.44
 Within Park Boundary: No

Date Created: 05/01/93

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0103

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/10/81-03/10/81	1	7.5	7.5	7.5	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/03/75-03/10/81	3	8.5	9.2	10.6	8.5	1.47	1.212	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	09/03/75-03/10/81	3	1.	1.	1.	0.	0.	**	**	**	**
00340	COD, 25N K2CR2O7 MG/L	09/03/75-03/10/81	3##	2.	4.667	10.	2.	21.333	4.619	**	**	**
00400	PH (STANDARD UNITS)	09/03/75-03/10/81	3	7.	6.9	7.	6.7	0.03	0.173	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/03/75-03/10/81	3	7.	6.876	7.	6.7	0.031	0.176	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/75-03/10/81	3	0.1	0.133	0.2	0.1	0.003	0.057	**	**	**
00403	PH, LAB, STANDARD UNITS SU	09/03/75-03/10/81	3	6.7	6.667	6.7	6.6	0.003	0.058	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	09/03/75-03/10/81	3	6.7	6.664	6.7	6.6	0.003	0.058	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/03/75-03/10/81	3	0.2	0.217	0.251	0.2	0.001	0.03	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	09/03/75-03/10/81	3	20.	17.333	20.	12.	21.333	4.619	**	**	**
00500	RESIDUE, TOTAL (MG/L)	09/03/75-03/10/81	3	66.	56.	66.	36.	300.	17.321	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	09/03/75-03/10/81	3	51.	34.833	51.	2.5	784.083	28.001	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	09/03/75-03/10/81	3	15.	22.	36.	15.	147.	12.124	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	09/03/75-03/10/81	3	10.	7.5	10.	2.5	18.75	4.33	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	09/03/75-03/10/81	3	6.	4.833	6.	2.5	4.083	2.021	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	09/03/75-03/10/81	3	4.	3.5	4.	2.5	0.75	0.866	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/03/75-03/10/81	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/03/75-03/10/81	3##	0.005	0.005	0.005	0.005	0.	0.	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/03/75-03/10/81	3	0.16	0.115	0.16	0.025	0.006	0.078	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/03/75-03/10/81	3	0.2	0.15	0.2	0.05	0.008	0.087	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	09/03/75-03/10/81	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	09/03/75-03/10/81	3	0.01	0.01	0.01	0.01	0.	0.	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	09/03/75-03/10/81	3	8.	7.333	8.	6.	1.333	1.155	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	09/03/75-09/03/75	2	4.	4.	4.	4.	0.	0.	**	**	**
01002	ARSENIC, TOTAL (UG/L AS AS)	03/10/81-03/10/81	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**
01003	ARSENIC IN BOTTOM DEPOSITS (MG/KG AS AS DRY WGT)	03/10/81-03/10/81	1	6.1	6.1	6.1	6.1	0.	0.	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	03/10/81-03/10/81	1##	5.	5.	5.	5.	0.	0.	**	**	**
01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/10/81-03/10/81	1##	0.1	0.1	0.1	0.1	0.	0.	**	**	**
01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/10/81-03/10/81	1	11.7	11.7	11.7	11.7	0.	0.	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	03/10/81-03/10/81	1##	5.	5.	5.	5.	0.	0.	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	03/10/81-03/10/81	1##	5.	5.	5.	5.	0.	0.	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	03/10/81-03/10/81	1	14.3	14.3	14.3	14.3	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0103

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01051	LEAD, TOTAL (UG/L AS PB)	03/10/81-03/10/81	1	12.	12.	12.	0.	0.	**	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	03/10/81-03/10/81	1	14.1	14.1	14.1	0.	0.	**	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	03/10/81-03/10/81	1##	50.	50.	50.	0.	0.	**	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	03/10/81-03/10/81	1	8.1	8.1	8.1	0.	0.	**	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	03/10/81-03/10/81	1	50.	50.	50.	0.	0.	**	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	03/10/81-03/10/81	1	38.4	38.4	38.4	38.4	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	2	400.	400.	400.	400.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/03/75-09/03/75	2	2.602	2.602	2.602	2.602	0.	0.	**	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN = 400.									
71900	MERCURY, TOTAL (UG/L AS HG)	03/10/81-03/10/81	1	0.7	0.7	0.7	0.7	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	03/10/81-03/10/81	1##	0.035	0.035	0.035	0.035	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0103

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	3	0	0.00	2	0	0.00	1	0	0.00					
00400	PH	Fresh Chronic	9.	3	0	0.00	2	0	0.00	1	0	0.00					
00403	PH, LAB	Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00	1	0	0.00					
		Fresh Chronic	9.	3	0	0.00	2	0	0.00	1	0	0.00					
		Other-Lo Lim.	6.5	3	0	0.00	2	0	0.00	1	0	0.00					
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	3	0	0.00	2	0	0.00	1	0	0.00					
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	3	0	0.00	2	0	0.00	1	0	0.00					
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	2	0	0.00	2	0	0.00								
		Drinking Water	250.	2	0	0.00	2	0	0.00								
01002	ARSENIC, TOTAL	Fresh Acute	360.	1	0	0.00				1	0	0.00					
		Drinking Water	50.	1	0	0.00				1	0	0.00					
01027	CADMIUM, TOTAL	Fresh Acute	3.9	0&	0	0.00											
		Drinking Water	5.	0&	0	0.00											
01034	CHROMIUM, TOTAL	Drinking Water	100.	1	0	0.00				1	0	0.00					
01042	COPPER, TOTAL	Fresh Acute	18.	1	0	0.00				1	0	0.00					
01051	LEAD, TOTAL	Drinking Water	1300.	1	0	0.00				1	0	0.00					
		Fresh Acute	82.	1	0	0.00				1	0	0.00					
		Drinking Water	15.	1	0	0.00				1	0	0.00					
01067	NICKEL, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00					
		Drinking Water	100.	1	0	0.00				1	0	0.00					
01092	ZINC, TOTAL	Fresh Acute	120.	1	0	0.00				1	0	0.00					
		Drinking Water	5000.	1	0	0.00				1	0	0.00					
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	2	2	1.00	2	2	1.00								
71900	MERCURY, TOTAL	Fresh Acute	2.4	1	0	0.00				1	0	0.00					
		Drinking Water	2.	1	0	0.00				1	0	0.00					

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0104

NPS Station ID: FRSP0104
 Location: WICOMICO CREEK AT NUN 2W
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin: NORTH ATLANTIC
 Minor Basin: POTOMAC RIVER BASIN
 RF1 Index: 02080103
 RF3 Index:
 Description:

LAT/LON: 38.253670/ -77.826170

Agency: 11121TWQ
 FIPS State/County: 24000 MARYLAND/
 STORET Station ID(s): POT-CONS-019C /19C
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0104

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	03/26/70-01/13/71	22	19.5	18.055	28.	2.1	72.04	8.488	3.73	11.975	25.925	27.69
00077	TRANSPARENCY, SECCHI DISC (INCHES)	03/26/70-01/13/71	11	48.	52.455	144.	23.	1134.673	33.685	24.4	34.	52.	130.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	03/26/70-01/13/71	22	13.	13.909	18.	9.	10.848	3.294	9.	11.75	18.	18.
00096	SALINITY AT 25 DEGREES C (MG/ML)	03/26/70-01/13/71	22	9.5	9.591	13.	6.	4.634	2.153	7.	8.	11.	13.
00300	OXYGEN, DISSOLVED MG/L	03/26/70-01/13/71	20	8.8	8.145	13.5	0.3	13.672	3.698	2.61	6.375	10.9	13.3
00310	BOD, 5 DAY, 20 DEG C MG/L	03/26/70-01/13/71	20	2.8	2.87	5.4	1.	1.65	1.284	1.03	1.675	4.05	4.57
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	03/26/70-01/13/71	22	0.094	0.127	0.712	0.001	0.022	0.15	0.015	0.035	0.159	0.276
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	03/26/70-01/13/71	18	0.554	0.52	1.017	0.05	0.066	0.257	0.166	0.271	0.727	0.824
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	03/26/70-01/13/71	22	0.05	0.169	0.6	0.001	0.037	0.192	0.001	0.028	0.305	0.531
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	03/26/70-01/13/71	18	0.28	0.325	0.59	0.12	0.017	0.129	0.21	0.228	0.398	0.536
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	03/26/70-01/13/71	22	0.24	0.235	0.49	0.02	0.024	0.155	0.036	0.1	0.383	0.454
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	05/08/70-11/19/70	14	4.55	5.921	14.3	2.9	12.786	3.576	3.1	3.475	7.25	12.95
00690	CARBON, TOTAL (MG/L AS C)	05/21/70-05/21/70	1	12.3	12.3	12.3	12.3	0.	0.	**	**	**	**
31505	COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506)	07/14/70-07/14/70	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
31505	LOG COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 3150	07/14/70-07/14/70	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31505	GM COLIFORM, TOT, MPN, CONFIRMED TEST, 35C (TUBE 31506				GEOMETRIC MEAN =								
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	07/14/70-07/14/70	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
31615	LOG FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	07/14/70-07/14/70	1 ##	1.	1.	1.	1.	0.	0.	**	**	**	**
31615	GM FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)				GEOMETRIC MEAN =								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0104

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	20	4	0.20	6	4	0.67	8	0	0.00	6	0	0.00	0	0.00
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	22	0	0.00	8	0	0.00	8	0	0.00	6	0	0.00	0	0.00
31505	COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	1	0	0.00	1	0	0.00								
31615	FECAL COLIFORM, MPN	Other-Hi Lim.	200.	1	0	0.00	1	0	0.00								

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0105

NPS Station ID: FRSP0105
 Location: MINE RUN NEAR LOCUST GROVE, VA
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin:
 Minor Basin:
 RF1 Index: 02080103
 RF3 Index:
 Description:

LAT/LON: 38.296116/ -77.848059

Agency: 112WRD
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 01667820
 Within Park Boundary: No

Date Created: 02/29/92

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0105

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	08/20/91-08/20/91	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	08/20/91-08/20/91	1	22.	22.	22.	22.	0.	0.	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	08/20/91-08/20/91	1	750.	750.	750.	750.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/20/91-08/20/91	1	78.	78.	78.	78.	0.	0.	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	08/20/91-08/20/91	1	2.4	2.4	2.4	2.4	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	08/20/91-08/20/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	08/20/91-08/20/91	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	08/20/91-08/20/91	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	08/20/91-08/20/91	1	0.03	0.03	0.03	0.03	0.03	0.	0.	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0105

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
			Obs	Standard		Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	1	1.00	1	1	1.00									
00400	PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00									
		Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0106

NPS Station ID: FRSP0106
 Location: MINE RUN AT BURR HILL, VA
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin:
 Minor Basin:
 RF1 Index: 02080103
 RF3 Index:
 Description:

LAT/LON: 38.343337/-77.859170

Agency: 112WRD
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 01667850
 Within Park Boundary: No

Date Created: 10/28/89

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/24/89-10/01/91	9	16.	17.444	25.5	10.	40.403	6.356	10.	11.25	25.	25.5
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/24/89-10/01/91	9	20.	21.278	31.5	8.5	75.007	8.661	8.5	13.5	30.75	31.5
00025	BAROMETRIC PRESSURE (MM OF HG)	07/24/89-10/01/91	8	762.	761.125	765.	754.	18.125	4.257	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/24/89-10/01/91	8	5.5	5.406	11.	0.05	23.032	4.799	**	**	**	**
00065	STAGE, STREAM (FEET)	10/03/90-11/29/90	2	23.14	23.14	23.23	23.05	0.016	0.127	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/25/89-03/30/91	3	75.	68.333	80.	50.	258.333	16.073	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/24/89-10/01/91	9	55.	57.222	70.	51.	37.694	6.14	51.	53.	61.	70.
00300	OXYGEN, DISSOLVED MG/L	07/24/89-10/01/91	9	7.7	8.344	10.8	6.6	3.095	1.759	6.6	6.75	10.4	10.8
00400	PH (STANDARD UNITS)	07/24/89-10/01/91	9	7.1	7.2	7.7	6.7	0.175	0.418	6.7	6.8	7.7	7.7
00400	CONVERTED PH (STANDARD UNITS)	07/24/89-10/01/91	9	7.1	7.043	7.7	6.7	0.203	0.45	6.7	6.8	7.7	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/24/89-10/01/91	9	0.079	0.09	0.2	0.02	0.005	0.072	0.02	0.02	0.163	0.2
00403	PH, LAB, STANDARD UNITS SU	07/25/89-03/30/91	3	7.2	7.1	7.4	6.7	0.13	0.361	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/25/89-03/30/91	3	7.2	6.996	7.4	6.7	0.146	0.382	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/89-03/30/91	3	0.063	0.101	0.2	0.04	0.007	0.086	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/25/89-03/30/91	3	0.03	0.047	0.1	0.01	0.002	0.047	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	1	0.02	0.02	0.02	0.02	0.02	0.	0.	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/89-03/30/91	3	0.5	0.5	0.9	0.1	0.16	0.4	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/25/89-03/30/91	3	0.19	0.163	0.2	0.1	0.003	0.055	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/89-03/30/91	3	0.04	0.053	0.11	0.01	0.003	0.051	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/25/89-03/30/91	3	4.5	6.033	10.	3.6	12.003	3.465	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/25/89-03/30/91	3	3.8	3.833	4.1	3.6	0.063	0.252	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/25/89-03/30/91	3	1.9	1.867	2.	1.7	0.023	0.153	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/25/89-03/30/91	3	2.9	3.133	3.7	2.8	0.243	0.493	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/25/89-03/30/91	3	1.4	1.433	1.6	1.3	0.023	0.153	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	07/25/89-03/30/91	3	4.	3.667	4.	3.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/25/89-03/30/91	3	3.	4.667	9.	2.	14.333	3.786	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/25/89-03/30/91	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/25/89-03/30/91	3	12.	10.867	13.	7.6	8.253	2.873	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/25/89-03/30/91	3	1.	2.5	6.	0.5	9.25	3.041	**	**	**	**
01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	09/05/89-09/05/89	1##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	09/05/89-09/05/89	1	10.	10.	10.	10.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/25/89-03/30/91	3##	0.5	1.	2.	0.5	0.75	0.866	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/25/89-03/30/91	3	3.	3.	5.	1.	4.	2.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/05/89-09/05/89	1	2.	2.	2.	2.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/25/89-03/30/91	3	1400.	1333.333	1500.	1100.	43333.333	208.167	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/25/89-03/30/91	3	380.	440.	660.	280.	38800.	196.977	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/25/89-03/30/91	3	1.	1.	1.333	2.	1.	0.333	0.577	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/05/89-09/05/89	1##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0106

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/05/89-09/05/89	1	110.	110.	110.	0.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/25/89-03/30/91	3	60.	66.667	90.	50.	433.333	20.817	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/89-03/30/91	3	56.	51.	62.	35.	201.	14.177	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/25/89-03/30/91	3	2.	2.	2.	0.	0.	0.	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/05/89-09/05/89	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/25/89-03/30/91	3##	5.	10.	20.	5.	75.	8.66	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/05/89-09/05/89	1##	5.	5.	5.	5.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/05/89-09/05/89	1	3200.	3200.	3200.	3200.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	4	600.	1407.5	4300.	130.	3767558.333	1941.02	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	07/24/89-03/30/91	4	2.778	2.826	3.633	2.114	0.388	0.623	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM			GEOMETRIC MEAN =	669.774								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/25/89-03/30/91	3	1.	1.833	4.	0.5	3.583	1.893	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/25/89-03/30/91	3	44.	43.333	48.	38.	25.333	5.033	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/25/89-03/30/91	3	0.02	0.017	0.02	0.01	0.	0.006	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/25/89-03/30/91	3##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/05/89-09/05/89	1	0.01	0.01	0.01	0.01	0.	0.	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/03/90-10/03/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**

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EPA Water Quality Criteria Analysis for Station: FRSP0106

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	9	0	0.00	6	0	0.00	3	0	0.00					
00400	PH	Fresh Chronic	9.	9	0	0.00	6	0	0.00	3	0	0.00					
00403	PH, LAB	Other-Lo Lim.	6.5	9	0	0.00	6	0	0.00	3	0	0.00					
		Fresh Chronic	9.	3	0	0.00	1	0	0.00	2	0	0.00					
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00					
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00					
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00	2	0	0.00					
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	2	0	0.00					
		Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00					
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00					
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	2	0	0.00					
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	1	0.33	1	0	0.00	2	1	0.50					
		Drinking Water	5.	3	1	0.33	1	0	0.00	2	1	0.50					
01034	CHROMIUM, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00	2	0	0.00					
01042	COPPER, TOTAL	Fresh Acute	18.	3	0	0.00	1	0	0.00	2	0	0.00					
01051	LEAD, TOTAL	Drinking Water	1300.	3	0	0.00	1	0	0.00	2	0	0.00					
		Fresh Acute	82.	3	0	0.00	1	0	0.00	2	0	0.00					
		Drinking Water	15.	3	0	0.00	1	0	0.00	2	0	0.00					
01067	NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00	2	0	0.00					
		Drinking Water	100.	3	0	0.00	1	0	0.00	2	0	0.00					
01092	ZINC, TOTAL	Fresh Acute	120.	3	0	0.00	1	0	0.00	2	0	0.00					
		Drinking Water	5000.	3	0	0.00	1	0	0.00	2	0	0.00					
31625	FECAL COLIFORM, MF	Other-Hi Lim.	200.	4	3	0.75	2	2	1.00	2	1	0.50					
71900	MERCURY, TOTAL	Fresh Acute	2.4	3	0	0.00	1	0	0.00	2	0	0.00					
		Drinking Water	2.	3	0	0.00	1	0	0.00	2	0	0.00					

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0107

NPS Station ID: FRSP0107
 Location: RT. 611 BRIDGE
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080103045
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD
 RIVER: MINE RUN SECTION: 04

LAT/LON: 38.343337/ -77.859449

Agency: 21VASWCB
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 3-MIR004.05 /VA3-04-X0018/VA3-3X0018
 Within Park Boundary: No

Date Created: / /

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 3.970
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1: OFF
 On/Off RF3:

AMBIENT MONITORING BASIN: 3 RAPPAHANOCK
 TOPO MAP #: 0029 TOPO MAP NAME: MINE RUN, VA

REGION: 3 NORTHERN VIRGINIA

Parameter Inventory for Station: FRSP0107

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/74-11/04/98	87	12.3	13.006	27.5	1.	54.724	7.398	2.96	7.1	20.3
00070	TURBIDITY, (JACKSON CANDLE UNITS)	11/03/88-03/23/92	21	6.9	11.405	84.	2.	288.338	16.981	2.92	6.	9.85
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/29/94-11/04/98	16	8.4	12.481	41.	3.2	134.855	11.613	4.25	6.9	10.75
00080	COLOR (PLATINUM-COBALT UNITS)	04/24/91-03/02/93	9	73.	81.667	175.	41.	1660.5	40.749	41.	51.5	100.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/87-11/04/98	48	58.5	59.667	80.	41.	65.121	8.07	51.	54.25	64.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-11/04/98	38	54.5	55.237	75.	42.	42.023	6.483	49.	50.75	59.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/24/92-11/04/98	24	9.65	10.042	13.2	7.6	3.928	1.982	7.75	8.	12.175
00300	OXYGEN, DISSOLVED MG/L	09/09/74-12/19/91	62	9.5	9.702	14.8	6.3	4.595	2.143	6.86	8.	11.45
00310	BOD, 5 DAY, 20 DEG C MG/L	01/12/76-11/04/98	61	1.	1.38	3.	0.5	0.565	0.752	0.5	1.	2.
00340	COD, 25N K2CR2O7 MG/L	07/09/87-11/04/98	60	13.	14.867	44.	5.	59.745	7.729	7.	10.	19.5
00400	PH (STANDARD UNITS)	09/09/74-11/04/98	82	7.2	7.215	8.5	5.4	0.223	0.472	6.7	7.	7.425
00400	CONVERTED PH (STANDARD UNITS)	09/09/74-11/04/98	82	7.2	6.869	8.5	5.4	0.344	0.586	6.7	7.	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/74-11/04/98	82	0.063	0.135	3.981	0.003	0.193	0.439	0.02	0.038	0.1
00403	PH, LAB, STANDARD UNITS SU	07/09/87-11/04/98	60	6.6	6.677	7.4	6.1	0.068	0.26	6.4	6.5	6.8
00403	CONVERTED PH, LAB, STANDARD UNITS	07/09/87-11/04/98	60	6.6	6.604	7.4	6.1	0.073	0.27	6.4	6.5	6.8
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/87-11/04/98	60	0.251	0.249	0.794	0.04	0.023	0.151	0.079	0.158	0.316
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/87-11/04/98	60	16.	16.617	52.	8.	39.868	6.314	11.	13.	18.
00500	RESIDUE, TOTAL (MG/L)	12/07/88-11/04/98	46	55.5	86.283	1332.	40.	35517.941	188.462	43.1	48.5	66.5
00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/07/88-11/04/98	45	20.	21.689	51.	7.	92.083	9.596	10.6	14.5	26.5
00510	RESIDUE, TOTAL FIXED (MG/L)	12/07/88-11/04/98	45	36.	38.956	111.	17.	271.771	16.485	23.6	29.5	44.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/87-11/04/98	60	3.	8.033	101.	0.5	247.177	15.722	1.05	2.	6.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/09/87-11/04/98	60 ##	1.5	2.583	12.	0.5	5.374	2.318	1.	1.125	3.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/09/87-11/04/98	60	2.5	6.075	89.	0.	184.227	13.573	0.5	1.	4.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/09/74-11/04/98	90 ##	0.05	0.057	1.	0.01	0.011	0.107	0.02	0.02	0.05
00613	NITRITE NITROGEN, DISSOLVED (MG/L AS N)	08/09/90-08/09/90	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/09/74-11/04/98	90 ##	0.005	0.01	0.07	0.005	0.	0.011	0.005	0.005	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/09/74-11/04/98	77	0.18	0.206	0.67	0.005	0.018	0.134	0.058	0.11	0.27
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/09/74-11/04/98	90	0.3	0.365	1.2	0.05	0.051	0.226	0.2	0.2	0.4
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	11/03/76-05/03/79	14	0.185	0.171	0.42	0.025	0.013	0.115	0.025	0.051	0.253
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/87-11/04/98	62 ##	0.05	0.081	0.3	0.05	0.002	0.049	0.05	0.05	0.1
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	07/09/87-03/23/92	38	0.02	0.024	0.13	0.005	0.001	0.023	0.01	0.01	0.03
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/09/87-06/27/96	45	4.4	4.662	8.3	2.	2.882	1.698	2.7	3.45	5.4
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/77-11/04/98	61	19.	19.508	34.	12.	15.787	3.973	16.	16.5	22.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00940	CHLORIDE,TOTAL IN WATER MG/L	10/06/88-11/04/98	47	3.	8.021	223.	2.	1027.934	32.061	2.	2.5	4.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	11/03/88-11/04/98	45	4.	4.167	11.	1.	4.511	2.124	2.	2.5	5.	7.
00951	FLUORIDE, TOTAL (MG/L AS F)	11/03/88-12/14/92	25 ##	0.05	0.077	0.25	0.05	0.002	0.049	0.05	0.05	0.095	0.15
00955	SILICA, DISSOLVED (MG/L AS SI02)	05/25/89-12/14/92	20	12.75	15.61	75.7	8.7	208.054	14.424	8.92	10.35	14.7	20.35
01002	ARSENIC, TOTAL (UG/L AS AS)	05/23/77-09/29/94	6 ##	3.5	3.167	5.	1.	4.167	2.041	**	**	**	**
01012	BERYLLIUM, TOTAL (UG/L AS BE)	11/12/91-03/02/93	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	11/01/74-09/29/94	8 ##	5.	4.563	5.	1.5	1.531	1.237	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	11/01/74-09/29/94	8 ##	5.	7.5	25.	5.	50.	7.071	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	11/01/74-09/29/94	8 ##	5.	7.5	25.	5.	50.	7.071	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	05/23/77-09/29/94	5	1099.	1126.	1940.	541.	264300.5	514.102	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	11/01/74-09/29/94	8 ##	5.	4.5	8.	1.5	3.786	1.946	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	05/23/77-09/29/94	5	48.3	52.06	100.	25.	818.918	28.617	**	**	**	**
01059	THALLIUM, TOTAL (UG/L AS TL)	03/02/93-03/02/93	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01065	NICKEL, DISSOLVED (UG/L AS NI)	11/01/74-11/14/78	5 ##	50.	51.	100.	5.	1130.	33.615	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	11/12/91-09/29/94	3 ##	5.	11.667	25.	5.	133.333	11.547	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	11/01/74-09/29/94	8 ##	11.5	12.875	25.	5.	74.696	8.643	**	**	**	**
01097	ANTIMONY, TOTAL (UG/L AS SB)	11/12/91-11/12/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01147	SELENIUM, TOTAL (UG/L AS SE)	11/12/91-09/29/94	3 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/09/74-11/04/98	69	100.	1204.638	16000.	20.	10351042.882	3217.304	50.	50.	300.	5000.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/09/74-11/04/98	69	2.	2.239	4.204	1.301	0.517	0.719	1.699	1.699	2.477	3.699
	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			173.185								
32240	TANNIN AND LIGNIN (MG/L)	06/24/92-12/14/92	3	0.5	0.533	0.6	0.5	0.003	0.058	**	**	**	**
34259	DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34351	ENDOSULFAN SULFATE TOTWUG/L	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34356	ENDOSULFAN, BETA TOTWUG/L	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34361	ENDOSULFAN, ALPHA TOTWUG/L	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34366	ENDRIN ALDEHYDE TOTWUG/L	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34671	PCB - 1016 TOTWUG/L	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
38745	2,4-DB WATER, TOTUG/L	09/07/93-09/07/93	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39340	GAMMA-BHC(LINDANE),WHOLE WATER,UG/L	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39492	PCB - 1322 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39730	2,4-D IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39740	2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39760	SILVEX IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
46570	HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/02/93-09/29/94	2	16.5	16.5	17.	16.	0.5	0.707	**	**	**	**
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	05/05/75-05/05/75	1	0.	0.	0.	0.	0.	0.	**	**	**	**
70505	PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	09/09/74-05/03/79	29 ##	0.05	0.059	0.1	0.05	0.	0.019	0.05	0.05	0.05	0.1
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/09/74-11/04/98	53	0.02	0.029	0.14	0.005	0.001	0.029	0.005	0.01	0.04	0.05
71900	MERCURY, TOTAL (UG/L AS HG)	11/01/74-09/29/94	8 ##	0.2	0.2	0.25	0.15	0.003	0.053	**	**	**	**
77825	ALACHLOR WHOLE WATER,UG/L	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82032	CALCIUM - TOTAL UG/L (AS CA)	03/02/93-03/02/93	1	3250.	3250.	3250.	3250.	0.	0.	**	**	**	**
82078	TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/24/92-03/16/94	8	10.25	15.263	58.	3.9	315.391	17.759	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0107

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	21	1	0.05	4	1	0.25	11	0	0.00	6	0	0.00			
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	16	0	0.00	4	0	0.00	8	0	0.00	4	0	0.00			
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	24	0	0.00	6	0	0.00	12	0	0.00	6	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	62	0	0.00	20	0	0.00	27	0	0.00	15	0	0.00			
00400 PH	Fresh Chronic	9.	82	0	0.00	26	0	0.00	37	0	0.00	19	0	0.00			
00403 PH, LAB	Fresh Chronic	9.	60	0	0.00	18	0	0.00	28	0	0.00	14	0	0.00			
00403 PH, LAB	Other-Lo Lim.	6.5	82	4	0.05	26	1	0.04	37	2	0.05	19	1	0.05			
00403 PH, LAB	Other-Lo Lim.	6.5	60	17	0.28	18	4	0.22	28	9	0.32	14	4	0.29			
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	1	0	0.00	1	0	0.00									
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	90	0	0.00	26	0	0.00	43	0	0.00	21	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	77	0	0.00	23	0	0.00	36	0	0.00	18	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	14	0	0.00	4	0	0.00	7	0	0.00	3	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	47	0	0.00	11	0	0.00	24	0	0.00	12	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	47	0	0.00	11	0	0.00	24	0	0.00	12	0	0.00			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	25	0	0.00	6	0	0.00	12	0	0.00	7	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
01012 BERYLLIUM, TOTAL	Drinking Water	50.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	130.	2	0	0.00				2	0	0.00						
01027 CADMIUM, TOTAL	Drinking Water	4.	0&	0	0.00												
01034 CHROMIUM, TOTAL	Fresh Acute	3.9	1&	0	0.00	1	0	0.00									
01042 COPPER, TOTAL	Drinking Water	5.	1&	0	0.00	1	0	0.00									
01051 LEAD, TOTAL	Drinking Water	100.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
01059 THALLIUM, TOTAL	Fresh Acute	18.	7&	0	0.00				5	0	0.00	2	0	0.00			
01065 NICKEL, DISSOLVED	Drinking Water	1300.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00			
01092 ZINC, TOTAL	Drinking Water	120.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
01097 ANTIMONY, TOTAL	Fresh Acute	5000.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
01147 SELENIUM, TOTAL	Drinking Water	2.	0&	0	0.00				1	0	0.00						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Fresh Acute	1400.	5	0	0.00				3	0	0.00	2	0	0.00			
34356 ENDOSULFAN, BETA, TOTAL	Drinking Water	100.	5	1	0.20				3	1	0.33	2	0	0.00			
34361 ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00	2	0	0.00						
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLING	Fresh Acute	20.	1	0	0.00	1	0	0.00	2	0	0.00						
39300 P,P' DDT IN WHOLE WATER SAMPLE	Drinking Water	1.	1	0	0.00	1	0	0.00									
39310 P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00									
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00									
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39380 DIELDRIN IN WHOLE WATER SAMPLE	Drinking Water	0.2	1	0	0.00	1	0	0.00									
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00									
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Drinking Water	2.	1	0	0.00	1	0	0.00									
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00									
	Drinking Water	3.	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0107

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00									
50060	CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	1	0	0.00												
71900	MERCURY, TOTAL	Fresh Acute	2.4	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
82078	TURBIDITY, FIELD	Drinking Water	2.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00			
		Other-Hi Lim.	50.	8	1	0.13	2	0	0.00	4	0	0.00	2	1	0.50			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/74-11/04/98	26	20.8	19.704	27.5	2.1	29.595	5.44	12.15	16.575	23.325	24.86
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/09/87-11/04/98	14	64.5	63.857	74.	53.	45.055	6.712	54.	58.	69.	73.5
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-11/04/98	9	56.	57.333	64.	50.	26.25	5.123	50.	53.	63.	64.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/24/92-11/04/98	6	8.	8.267	9.2	7.6	0.443	0.665	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/09/74-12/19/91	20	7.95	7.775	10.	6.3	1.109	1.053	6.31	6.85	8.475	9.42
00310	BOD, 5 DAY, 20 DEG C MG/L	01/12/76-11/04/98	16	1.	1.131	2.	0.5	0.156	0.394	0.85	1.	1.	2.
00340	COD, .25N K2CR2O7 MG/L	07/09/87-11/04/98	18	16.	17.5	44.	7.	72.735	8.528	8.8	11.5	21.25	26.9
00400	PH (STANDARD UNITS)	09/09/74-11/04/98	26	7.15	7.104	7.7	5.4	0.216	0.465	6.7	6.875	7.35	7.7
00400	CONVERTED PH (STANDARD UNITS)	09/09/74-11/04/98	26	7.147	6.629	7.7	5.4	0.451	0.672	6.7	6.875	7.35	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/74-11/04/98	26	0.071	0.235	3.981	0.02	0.587	0.766	0.02	0.045	0.134	0.2
00403	PH, LAB, STANDARD UNITS SU	07/09/87-11/04/98	18	6.7	6.733	7.1	6.4	0.048	0.22	6.49	6.575	6.9	7.1
00403	CONVERTED PH, LAB, STANDARD UNITS	07/09/87-11/04/98	18	6.7	6.685	7.1	6.4	0.051	0.225	6.49	6.575	6.9	7.1
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/87-11/04/98	18	0.2	0.206	0.398	0.079	0.009	0.094	0.079	0.126	0.267	0.324
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/87-11/04/98	18	19.	21.167	52.	13.	76.265	8.733	14.8	16.	23.5	31.3
00500	RESIDUE, TOTAL (MG/L)	12/07/88-11/04/98	11	57.	62.273	133.	45.	591.018	24.311	46.	50.	64.	119.2
00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/07/88-11/04/98	11	27.	24.909	51.	12.	143.891	11.995	12.	12.	32.	47.6
00510	RESIDUE, TOTAL FIXED (MG/L)	12/07/88-11/04/98	11	36.	37.364	82.	18.	256.255	16.008	20.	29.	38.	73.2
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/87-11/04/98	17	3.	7.059	59.	0.5	193.653	13.916	0.5	1.25	5.5	23.
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/09/87-11/04/98	18 ##	1.5	2.333	11.	0.5	5.676	2.383	0.5	1.	3.	4.7
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/09/87-11/04/98	18	1.5	5.111	48.	0.	124.163	11.143	0.	0.5	3.25	14.7
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/09/74-11/04/98	26 ##	0.05	0.095	1.	0.02	0.036	0.19	0.02	0.02	0.1	0.147
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/09/74-11/04/98	26 ##	0.005	0.013	0.07	0.005	0.	0.016	0.005	0.005	0.01	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/09/74-11/04/98	23	0.21	0.258	0.67	0.05	0.025	0.16	0.072	0.15	0.33	0.52
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/09/74-11/04/98	27	0.4	0.432	1.	0.1	0.057	0.239	0.18	0.3	0.6	0.92
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/87-11/04/98	18 ##	0.05	0.083	0.2	0.05	0.002	0.049	0.05	0.05	0.1	0.2
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/09/87-06/27/96	15	5.	5.433	8.	3.1	2.767	1.663	3.34	4.	7.3	7.94
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/77-11/04/98	18	20.	20.722	29.	16.	10.33	3.214	17.8	18.	22.5	24.5
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-11/04/98	11	3.	23.318	223.	2.	4386.714	66.232	2.1	3.	4.	179.4
00945	SULFATE, TOTAL (MG/L AS SO4)	11/03/88-11/04/98	10	2.75	3.05	5.	1.	1.914	1.383	1.1	2.	4.25	5.
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/09/74-11/04/98	18 ##	50.	316.667	3500.	50.	647058.824	804.4	50.	50.	300.	710.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	09/09/74-11/04/98	18 ##	1.699	2.038	3.544	1.699	0.261	0.511	1.699	1.699	2.477	2.696
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			109.258								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/09/74-11/04/98	15	0.02	0.032	0.14	0.005	0.001	0.038	0.005	0.005	0.05	0.11

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/74-11/04/98	40	7.1	6.763	15.6	1.	13.589	3.686	2.23	3.35	9.2	11.91
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	07/09/87-11/04/98	24	58.5	59.625	80.	41.	74.158	8.611	51.	54.5	63.5	75.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-11/04/98	19	54.	55.789	75.	42.	57.398	7.576	49.	50.	60.	68.
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	06/24/92-11/04/98	12	12.15	11.6	13.2	8.	2.149	1.466	8.63	10.725	12.7	13.08
00300	OXYGEN, DISSOLVED MG/L	09/09/74-12/19/91	27	11.6	11.433	14.8	8.	2.834	1.683	8.64	10.4	12.7	13.48
00310	BOD, 5 DAY, 20 DEG C MG/L	01/12/76-11/04/98	30	1.	1.453	3.	0.5	0.558	0.747	0.5	1.	2.	2.9
00340	COD,.25N K2CR2O7 MG/L	07/09/87-11/04/98	29	11.	13.103	39.	5.	54.81	7.403	6.	9.	15.	25.
00400	PH (STANDARD UNITS)	09/09/74-11/04/98	37	7.2	7.276	8.5	6.3	0.246	0.496	6.7	6.95	7.55	7.98
00400	CONVERTED PH (STANDARD UNITS)	09/09/74-11/04/98	37	7.2	7.046	8.5	6.3	0.3	0.548	6.7	6.95	7.55	7.98
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/74-11/04/98	37	0.063	0.09	0.501	0.003	0.01	0.102	0.011	0.028	0.113	0.2
00403	PH, LAB, STANDARD UNITS SU	07/09/87-11/04/98	28	6.6	6.607	7.4	6.1	0.069	0.262	6.28	6.425	6.7	6.91
00403	CONVERTED PH, LAB, STANDARD UNITS	07/09/87-11/04/98	28	6.6	6.537	7.4	6.1	0.074	0.272	6.28	6.425	6.7	6.91
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/87-11/04/98	28	0.251	0.29	0.794	0.04	0.031	0.175	0.123	0.2	0.378	0.531
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	07/09/87-11/04/98	28	13.	13.857	23.	8.	15.312	3.913	9.	11.	16.75	21.1
00500	RESIDUE, TOTAL (MG/L)	12/07/88-11/04/98	23	55.	55.522	90.	40.	164.261	12.816	40.4	45.	62.	73.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/07/88-11/04/98	23	19.	18.957	34.	7.	51.589	7.183	8.8	14.	25.	30.4
00510	RESIDUE, TOTAL FIXED (MG/L)	12/07/88-11/04/98	23	36.	36.565	64.	17.	129.802	11.393	22.4	28.	45.	51.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/87-11/04/98	29	2.5	4.259	29.	0.5	27.208	5.216	1.5	1.75	5.	8.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/09/87-11/04/98	29 ##	1.5	1.81	4.	0.5	0.793	0.891	1.	1.	2.5	3.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/09/87-11/04/98	29 ##	1.5	3.224	25.	0.5	21.01	4.584	0.5	1.	4.	6.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/09/74-11/04/98	43 ##	0.02	0.036	0.1	0.01	0.	0.019	0.02	0.02	0.05	0.05
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/09/74-11/04/98	43 ##	0.005	0.007	0.02	0.005	0.	0.003	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/09/74-11/04/98	36	0.155	0.156	0.32	0.005	0.007	0.084	0.024	0.1	0.218	0.273
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/09/74-11/04/98	43	0.3	0.285	0.6	0.05	0.015	0.121	0.14	0.2	0.3	0.4
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/87-11/04/98	30 ##	0.05	0.068	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/09/87-06/27/96	19	4.1	4.195	8.3	2.	2.209	1.486	2.4	3.1	5.	6.1
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	05/23/77-11/04/98	29	18.	18.448	34.	12.	17.185	4.145	14.	16.	20.	22.
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-11/04/98	24	3.	3.771	7.	2.	1.847	1.359	2.5	3.	4.75	6.
00945	SULFATE, TOTAL (MG/L AS SO ₄)	11/03/88-11/04/98	23	5.	5.217	11.	2.	5.519	2.349	2.5	3.	7.	9.2
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/09/74-11/04/98	37	100.	1191.081	16000.	20.	10191165.465	3192.36	50.	50.	250.	5340.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/09/74-11/04/98	37	2.	2.248	4.204	1.301	0.512	0.716	1.699	1.699	2.389	3.724
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/09/74-11/04/98		GEOMETRIC MEAN =	177.179								
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/09/74-11/04/98	25	0.02	0.026	0.05	0.005	0.	0.015	0.008	0.01	0.04	0.05

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0107

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/09/74-11/04/98	21	17.8	16.605	22.3	6.4	21.94	4.684	9.94	13.1	20.85	22.2
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	07/09/87-11/04/98	10	54.	53.9	61.	46.	21.211	4.606	46.4	50.75	58.25	60.8
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	08/30/89-11/04/98	10	52.	52.3	58.	43.	20.011	4.473	43.6	49.75	56.25	57.9
00299	OXYGEN, DISSOLVED ANALYSIS BY PROBE MG/L	06/24/92-11/04/98	6	8.35	8.7	10.6	7.7	1.128	1.062	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	09/09/74-12/19/91	15	9.	9.153	12.	6.5	1.843	1.357	7.22	8.2	9.9	11.22
00310	BOD, 5 DAY, 20 DEG C MG/L	01/12/76-11/04/98	15	1.	1.5	3.	0.5	1.	1.	0.5	1.	3.	3
00340	COD, .25N K2CR2O7 MG/L	07/09/87-11/04/98	13	15.	15.154	29.	6.	44.808	6.694	6.4	10.	19.5	27.
00400	PH (STANDARD UNITS)	09/09/74-11/04/98	19	7.3	7.247	8.5	6.3	0.185	0.43	6.8	7.	7.4	7.7
00400	CONVERTED PH (STANDARD UNITS)	09/09/74-11/04/98	19	7.3	7.063	8.5	6.3	0.221	0.47	6.8	7.	7.4	7.7
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/09/74-11/04/98	19	0.05	0.087	0.501	0.003	0.011	0.107	0.02	0.04	0.1	0.158
00403	PH, LAB, STANDARD UNITS SU	07/09/87-11/04/98	14	6.75	6.743	7.2	6.3	0.081	0.285	6.3	6.5	6.95	7.15
00403	CONVERTED PH, LAB, STANDARD UNITS	07/09/87-11/04/98	14	6.747	6.658	7.2	6.3	0.089	0.298	6.3	6.5	6.95	7.15
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/09/87-11/04/98	14	0.179	0.22	0.501	0.063	0.021	0.144	0.071	0.114	0.316	0.501
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	07/09/87-11/04/98	14	17.	16.286	19.	13.	4.22	2.054	13.5	14.	18.	18.5
00500	RESIDUE, TOTAL (MG/L)	12/07/88-11/04/98	12	65.5	167.25	1332.	44.	134728.205	367.053	44.6	48.25	72.25	959.4
00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/07/88-11/04/98	11	25.	24.182	50.	7.	112.364	10.6	8.4	20.	26.	45.8
00510	RESIDUE, TOTAL FIXED (MG/L)	12/07/88-11/04/98	11	39.	45.545	111.	20.	590.273	24.296	22.	32.	51.	101.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	07/09/87-11/04/98	14	6.	17.036	101.	2.5	704.556	26.543	2.75	3.	28.75	66.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	07/09/87-11/04/98	13	3.	4.654	12.	1.	10.349	3.217	1.2	2.	7.	10.4
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	07/09/87-11/04/98	13	3.	13.769	89.	0.5	595.692	24.407	0.5	1.75	23.	63.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	09/09/74-11/04/98	21 ##	0.05	0.053	0.23	0.02	0.002	0.049	0.02	0.02	0.055	0.116
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	09/09/74-11/04/98	21 ##	0.005	0.013	0.04	0.005	0.	0.012	0.005	0.005	0.02	0.038
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	09/09/74-11/04/98	18	0.21	0.238	0.52	0.02	0.022	0.149	0.065	0.098	0.385	0.448
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	09/09/74-11/04/98	20	0.35	0.448	1.2	0.05	0.1	0.317	0.2	0.2	0.575	1.16
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/09/87-11/04/98	14 ##	0.075	0.104	0.3	0.05	0.006	0.077	0.05	0.05	0.125	0.25
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/09/87-06/27/96	11	3.8	4.418	8.2	2.	3.46	1.86	2.14	3.4	5.6	7.98
00900	HARDNESS, TOTAL (MG/L AS CACO ₃)	05/23/77-11/04/98	14	18.5	20.143	28.	16.	17.363	4.167	16.	16.	24.	27.5
00940	CHLORIDE, TOTAL IN WATER MG/L	10/06/88-11/04/98	12	2.5	2.5	3.	2.	0.182	0.426	2.	2.	3.	3.
00945	SULFATE, TOTAL (MG/L AS SO ₄)	11/03/88-11/04/98	12	3.	3.083	5.	2.	0.72	0.848	2.15	2.5	3.75	4.7
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/09/74-11/04/98	14	150.	2382.143	16000.	50.	22490618.132	4742.427	50.	50.	2600.	12000.
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/09/74-11/04/98	14	2.151	2.47	4.204	1.699	0.828	0.91	1.699	1.699	3.244	4.054
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	09/09/74-11/04/98		GEOMETRIC MEAN =	294.825								
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	09/09/74-11/04/98	13	0.02	0.033	0.14	0.005	0.001	0.036	0.005	0.01	0.045	0.104

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Station Inventory for Station: FRSP0108

NPS Station ID: FRSP0108
 Location: ROUTE 692 (ORANGE COUNTY)
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080106
 Major Basin: 02-NORTH ATLANTIC
 Minor Basin: 3-RAPPAHANOCK
 RF1 Index: 02080106
 RF3 Index:
 Description:
 VIRGINIA STATE WATER CONTROL BOARD AMBIENT MONITORING BASIN: 3- RAPPAHANOCK REGION: 3 NORTHERN
 RIVER: BLACK WALNUT RUN SECTION: 04A TOPO MAP #: 0029 TOPO MAP NAME: MINE RUN, VA

LAT/LON: 38.343337/ -77.860838

Agency: 21VASWCB
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 3-BWR000.16
 Within Park Boundary: No

Date Created: 05/01/93

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0108

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00300	OXYGEN, DISSOLVED MG/L	01/29/76-01/29/76	1	11.9	11.9	11.9	11.9	0.	0.	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	01/29/76-01/29/76	1	2.	2.	2.	2.	0.	0.	**	**	**	**
00340	COD, 25N K2CR207 MG/L	01/29/76-01/29/76	1 ##	2.	2.	2.	2.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	01/29/76-01/29/76	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	01/29/76-01/29/76	1	6.9	6.9	6.9	6.9	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	01/29/76-01/29/76	1	0.126	0.126	0.126	0.126	0.	0.	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	01/29/76-01/29/76	1	73.	73.	73.	73.	0.	0.	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	01/29/76-01/29/76	1	53.	53.	53.	53.	0.	0.	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	01/29/76-01/29/76	1	20.	20.	20.	20.	0.	0.	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	01/29/76-01/29/76	1	10.	10.	10.	10.	0.	0.	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	01/29/76-01/29/76	1	4.	4.	4.	4.	0.	0.	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	01/29/76-01/29/76	1	6.	6.	6.	6.	0.	0.	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	01/29/76-01/29/76	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	01/29/76-01/29/76	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	01/29/76-01/29/76	1	0.27	0.27	0.27	0.27	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	01/29/76-01/29/76	1	0.1	0.1	0.1	0.1	0.	0.	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	01/29/76-01/29/76	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	01/29/76-01/29/76	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	01/29/76-01/29/76	1	7.	7.	7.	7.	0.	0.	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	01/29/76-01/29/76	1	3.	3.	3.	3.	0.	0.	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-01/29/76	1 ##	50.	50.	50.	50.	0.	0.	**	**	**	**
31616	LOG FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C	01/29/76-01/29/76	1 ##	1.699	1.699	1.699	1.699	1.699	1.699	0.	**	**	**
31616	GM FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5 C			GEOMETRIC MEAN =	50.								

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0108

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	1	0	0.00				1	0	0.00						
00400	PH	Fresh Chronic	9.	1	0	0.00				1	0	0.00						
		Other-Lo Lim.	6.5	1	0	0.00				1	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00620	NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1	0	0.00				1	0	0.00						
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1	0	0.00				1	0	0.00						
		Drinking Water	250.	1	0	0.00				1	0	0.00						
31616	FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1	0	0.00				1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0109

NPS Station ID: FRSP0109

Location: VAOR507R

Station Type: /TYP/A/MBNT/SPRING

RMI-Indexes:

RMI-Miles:

HUC: 02080103

Major Basin: NORTH ATLANTIC

Minor Basin: RAPPAHANNOCK AND YORK RIVERS - VA COAST

RF1 Index: 02080103

RF3 Index: RF1 Mile Point: 0.000

LAT/LON: 38.334503/ -77.863198

Depth of Water: 0

Elevation: 0

RF3 Mile Point: 0.00

Agency: 11NPSWRD

FIPS State/County: 51137 VIRGINIA/ORANGE

STORET Station ID(s): FRSP_NURE_1 /4091076

Within Park Boundary: No

Date Created: 02/27/99

Description:
 THE STATION IS LOCATED ON THE MINE RUN VIRGINIA 7.5' SERIES (TOPOGRAPHIC) QUADRANGLE. THE SITE IS AT A SPRING AND IS OUTSIDE OF THE FREDERICKSBURG AND SPOTSYLVANIA COUNTY BATTLEFIELDS MEMORIAL NATIONAL MILITARY PARK BOUNDARIES. EACH SAMPLE WAS FILTERED THROUGH A LESS THAN OR EQUAL TO 0.8 UM MEMBRANE FILTER AT THE SITE. DATA ARE FROM THE "U.S. GEOLOGICAL SURVEY NATIONAL GEOCHEMICAL DATA BASE: NATIONAL URANIUM RESOURCE EVALUATION DATA FOR THE CONTERMINOUS UNITED STATES" 1994 CD-ROM BY J.D. HOFFMAN AND K. BUTTELMAN (USGS DIGITAL DATA SERIES DDS-18-A). THE DATA BASE INCLUDES STREAM SEDIMENT; SOIL; SURFACE WATER; AND GROUND WATER DATA. THE "UNIQID" FIELD ENTRY WAS USED TO CREATE THE SECONDARY STATION NAME. THE "SRLID" FIELD ENTRY (SAVANNAH RIVER SCIENTIFIC LABORATORY SAMPLE NUMBER) WAS USED TO CREATE THE STATION LOCATION. THE SAMPLES WERE ANALYZED BY SAVANNAH RIVER LABORATORY. DATA WERE PROCESSED AND UPLOADED TO STORET BY RYAN SHY; NPS-WRD; 1201 OAK RIDGE DRIVE SUITE 250; FORT COLLINS CO 80525 (TEL. 970-225-3516).

Parameter Inventory for Station: FRSP0109

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	09/01/77-09/01/77	1	26.	26.	26.	0.	0.	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	09/01/77-09/01/77	1	70.	70.	70.	0.	0.	**	**	**	**
00400	PH (STANDARD UNITS)	09/01/77-09/01/77	1	7.	7.	7.	0.	0.	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	09/01/77-09/01/77	1	7.	7.	7.	0.	0.	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H ⁺ COMPUTED FROM PH	09/01/77-09/01/77	1	0.1	0.1	0.1	0.	0.	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	09/01/77-09/01/77	1 ##	0.	0.	0.	0.	0.	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	09/01/77-09/01/77	1	4.45	4.45	4.45	4.45	0.	0.	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	09/01/77-09/01/77	1	72.	72.	72.	0.	0.	**	**	**	**
01085	VANADIUM, DISSOLVED (UG/L AS V)	09/01/77-09/01/77	1 ##	0.	0.	0.	0.	0.	**	**	**	**
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	09/01/77-09/01/77	1	40.	40.	40.	40.	0.	**	**	**	**
22703	URANIUM, NATURAL, DISSOLVED	09/01/77-09/01/77	1 ##	0.	0.	0.	0.	0.	**	**	**	**
50760	CHLORINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	09/01/77-09/01/77	1	7600.	7600.	7600.	7600.	0.	0.	**	**	**
50761	BROMINE, DISSOLVED, FILTERED WATER SAMPLE UG/L	09/01/77-09/01/77	1	43.	43.	43.	43.	0.	0.	**	**	**
82331	DYSPROSIUM, DISSOLVED AS DY IN WATER UG/L	09/01/77-09/01/77	1 ##	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0109

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14		10/15-3/31		4/01-6/30		n/a		
			Obs	Standard	Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00400 PH	Fresh Chronic	9.	1	0	0.00	1	0	0.00						
22703 URANIUM, NATURAL DISSOLVED	Other-Lo Lim.	6.5	1	0	0.00	1	0	0.00						
	Drinking Water	20.	1	0	0.00	1	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0110

NPS Station ID: FRSP0110 LAT/LON: 38.306115/ -77.882226
 Location: BLACK WALNUT RUN NR RHOADESVILLE, VA
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103 Depth of Water: 0
 Major Basin:
 Minor Basin:
 RF1 Index: 02080103 RF1 Mile Point: 0.000
 RF3 Index:
 RF3 Mile Point: 0.00
 Description:

Agency: 112WRD
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 01667840
 Within Park Boundary: No

Date Created: 10/28/89

Parameter Inventory for Station: FRSP0110

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/26/89-10/01/91	7	18.5	15.429	23.	5.	42.536	6.522	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/26/89-10/01/91	7	20.	18.786	33.5	0.	125.321	11.195	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	09/06/89-10/01/91	5	760.	758.2	765.	750.	33.7	5.805	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/26/89-10/01/91	7	1.	1.35	4.	0.05	2.058	1.434	**	**	**	**
00065	STAGE, STREAM (FEET)	10/03/90-10/01/91	3	10.72	10.717	10.82	10.61	0.011	0.105	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/26/89-10/01/91	7	48.	51.143	63.	46.	47.81	6.914	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/26/89-10/01/91	7	8.9	9.229	11.	7.8	1.356	1.164	**	**	**	**
00400	PH (STANDARD UNITS)	07/26/89-10/01/91	7	6.8	6.857	7.2	6.6	0.06	0.244	**	**	**	**
00400	CONVERTED PH (STANDARD UNITS)	07/26/89-10/01/91	7	6.8	6.803	7.2	6.6	0.063	0.251	**	**	**	**
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/26/89-10/01/91	7	0.158	0.158	0.251	0.063	0.006	0.079	**	**	**	**
80154	SUSP. SEDIMENT CONCENTRATION-EVAP. AT 110C (MG/L)	10/03/90-10/03/90	1	0.	0.	0.	0.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0110

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
			Obs	Standard		Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	7	0	0.00	5	0	0.00	2	0	0.00						
00400	PH	Fresh Chronic	9.	7	0	0.00	5	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	7	0	0.00	5	0	0.00	2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0111

NPS Station ID: FRSP0111
 Location: MOUNTAIN RUN NEAR BURR HILL, VA
 Station Type: /TYP/A/MBNT/STREAM
 RMI-Indexes:
 RMI-Miles:
 HUC: 02080103
 Major Basin:
 Minor Basin:
 RF1 Index: 02080103
 RF3 Index:
 Description:

LAT/LON: 38.353615/ -77.893892

Agency: 112WRD
 FIPS State/County: 51137 VIRGINIA/ORANGE
 STORET Station ID(s): 01667870
 Within Park Boundary: No

Date Created: 12/30/89

Depth of Water: 0
 Elevation: 0
 RF1 Mile Point: 0.000
 RF3 Mile Point: 0.00

Aquifer:
 Water Body Id:
 ECO Region:
 Distance from RF1: 0.00
 Distance from RF3: 0.00

On/Off RF1:
 On/Off RF3:

Parameter Inventory for Station: FRSP0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	07/25/89-10/01/91	8	14.75	15.5	24.	10.	24.143	4.914	**	**	**	**
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	07/25/89-10/01/91	8	16.	17.75	28.	11.	44.286	6.655	**	**	**	**
00025	BAROMETRIC PRESSURE (MM OF HG)	07/25/89-10/01/91	7	760.	760.	765.	754.	13.333	3.651	**	**	**	**
00061	FLOW, STREAM, INSTANTANEOUS CFS	07/25/89-10/01/91	8	7.5	31.188	203.	0.2	4856.264	69.687	**	**	**	**
00065	STAGE, STREAM (FEET)	10/03/90-10/01/91	3	1.24	1.22	1.48	0.94	0.073	0.271	**	**	**	**
00080	COLOR (PLATINUM-COBALT UNITS)	07/25/89-03/30/91	3	25.	27.333	40.	17.	136.333	11.676	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	07/25/89-10/01/91	8	121.	127.75	168.	77.	872.786	29.543	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	07/25/89-10/01/91	8	8.3	8.588	11.8	5.8	4.261	2.064	**	**	**	**
00400	PH (STANDARD UNITS)	09/06/89-10/01/91	7	7.4	7.257	7.9	6.2	0.286	0.535	**	**	**	**
00440	CONVERTED PH (STANDARD UNITS)	09/06/89-10/01/91	7	7.4	6.895	7.9	6.2	0.439	0.663	**	**	**	**
00440	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	09/06/89-10/01/91	7	0.04	0.127	0.631	0.013	0.05	0.223	**	**	**	**
00403	PH, LAB, STANDARD UNITS SU	07/25/89-03/30/91	3	7.5	7.4	7.7	7.	0.13	0.361	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	07/25/89-03/30/91	3	7.5	7.296	7.7	7.	0.146	0.382	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	07/25/89-03/30/91	3	0.032	0.051	0.1	0.02	0.002	0.043	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	07/25/89-03/30/91	3	0.02	0.04	0.09	0.01	0.002	0.044	**	**	**	**
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	03/30/91-03/30/91	1	0.02	0.02	0.02	0.02	0.	0.	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	07/25/89-03/30/91	3	0.5	0.533	0.9	0.2	0.123	0.351	**	**	**	**
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	07/25/89-03/30/91	3	0.59	0.563	0.6	0.5	0.003	0.055	**	**	**	**
00665	PHOSPHORUS, TOTAL (MG/L AS P)	07/25/89-03/30/91	3	0.03	0.077	0.19	0.01	0.01	0.099	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	07/25/89-03/30/91	3	3.5	4.8	8.2	2.7	8.83	2.972	**	**	**	**
00915	CALCIUM, DISSOLVED (MG/L AS CA)	07/25/89-03/30/91	3	16.	13.5	16.	8.5	18.75	4.33	**	**	**	**
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	07/25/89-03/30/91	3	2.9	2.767	3.3	2.1	0.373	0.611	**	**	**	**
00930	SODIUM, DISSOLVED (MG/L AS NA)	07/25/89-03/30/91	3	2.7	2.867	3.2	2.7	0.083	0.289	**	**	**	**
00935	POTASSIUM, DISSOLVED (MG/L AS K)	07/25/89-03/30/91	3	1.6	1.667	1.8	1.6	0.013	0.115	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	07/25/89-03/30/91	3	4.	4.333	5.	4.	0.333	0.577	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	07/25/89-03/30/91	3	4.	5.333	8.	4.	5.333	2.309	**	**	**	**
00950	FLUORIDE, DISSOLVED (MG/L AS F)	07/25/89-03/30/91	3	0.1	0.083	0.1	0.05	0.001	0.029	**	**	**	**
00955	SILICA, DISSOLVED (MG/L AS SI02)	07/25/89-03/30/91	3	10.	9.133	11.	6.4	5.853	2.419	**	**	**	**
01027	CADMIUM, TOTAL (UG/L AS CD)	07/25/89-03/30/91	3 ##	0.5	0.5	0.5	0.5	0.	0.	**	**	**	**
01028	CADMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	09/06/89-09/06/89	1	1.	1.	1.	1.	0.	0.	**	**	**	**
01029	CHROMIUM, TOTAL IN BOTTOM DEPOSITS (MG/KG, DRY WGT)	09/06/89-09/06/89	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01034	CHROMIUM, TOTAL (UG/L AS CR)	07/25/89-03/30/91	3 ##	0.5	1.333	3.	0.5	2.083	1.443	**	**	**	**
01042	COPPER, TOTAL (UG/L AS CU)	07/25/89-03/30/91	3	2.	2.	3.	1.	1.	1.	**	**	**	**
01043	COPPER IN BOTTOM DEPOSITS (MG/KG AS CU DRY WGT)	09/06/89-09/06/89	1	3.	3.	3.	3.	0.	0.	**	**	**	**
01045	IRON, TOTAL (UG/L AS FE)	07/25/89-03/30/91	3	810.	1163.333	2000.	680.	529233.333	727.484	**	**	**	**
01046	IRON, DISSOLVED (UG/L AS FE)	07/25/89-03/30/91	3	390.	336.667	400.	220.	10233.333	101.16	**	**	**	**
01051	LEAD, TOTAL (UG/L AS PB)	07/25/89-03/30/91	3	1.	1.667	3.	1.	1.333	1.155	**	**	**	**
01052	LEAD IN BOTTOM DEPOSITS (MG/KG AS PB DRY WGT)	09/06/89-09/06/89	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0111

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
01053	MANGANESE IN BOTTOM DEPOSITS (MG/KG AS MN DRY WGT)	09/06/89-09/06/89	1	410.	410.	410.	0.	0.	0.	**	**	**	**
01055	MANGANESE, TOTAL (UG/L AS MN)	07/25/89-03/30/91	3	50.	63.333	100.	40.	1033.333	32.146	**	**	**	**
01056	MANGANESE, DISSOLVED (UG/L AS MN)	07/25/89-03/30/91	3	35.	40.333	52.	34.	102.333	10.116	**	**	**	**
01067	NICKEL, TOTAL (UG/L AS NI)	07/25/89-03/30/91	3	1.	1.5	3.	0.5	1.75	1.323	**	**	**	**
01068	NICKEL, TOTAL IN BOTTOM DEPOSITS (MG/KG,DRY WGT)	09/06/89-09/06/89	1##	5.	5.	5.	0.	0.	0.	**	**	**	**
01092	ZINC, TOTAL (UG/L AS ZN)	07/25/89-03/30/91	3##	5.	10.	20.	5.	75.	8.66	**	**	**	**
01093	ZINC IN BOTTOM DEPOSITS (MG/KG AS ZN DRY WGT)	09/06/89-09/06/89	1	10.	10.	10.	0.	0.	0.	**	**	**	**
01170	IRON IN BOTTOM DEPOSITS (MG/KG AS FE DRY WGT)	09/06/89-09/06/89	1	5300.	5300.	5300.	5300.	0.	0.	**	**	**	**
31625	FECAL COLIFORM, MF,M-FC, 0.7 UM	07/25/89-03/30/91	3	420.	6795.	19700.	265.	124910275.	11176.327	**	**	**	**
31625	LOG FECAL COLIFORM, MF,M-FC, 0.7 UM	07/25/89-03/30/91	3	2.623	3.114	4.294	2.423	1.056	1.027	**	**	**	**
31625	GM FECAL COLIFORM, MF,M-FC, 0.7 UM			GEOMETRIC MEAN =	1299.134								
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	07/25/89-03/30/91	3	1.	1.167	2.	0.5	0.583	0.764	**	**	**	**
70300	RESIDUE,TOTAL FILTRABLE (DRIED AT 180C),MG/L	07/25/89-03/30/91	3	70.	72.333	79.	68.	34.333	5.859	**	**	**	**
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	07/25/89-03/30/91	3	0.02	0.03	0.05	0.02	0.	0.017	**	**	**	**
71900	MERCURY, TOTAL (UG/L AS HG)	07/25/89-03/30/91	3	0.1	0.15	0.3	0.05	0.018	0.132	**	**	**	**
71921	MERCURY,TOT. IN BOT. DEPOS. (MG/KG AS HG DRY WGT)	09/06/89-09/06/89	1##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0111

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
			Obs	Standard		Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00300	OXYGEN, DISSOLVED	Other-Lo Lim.	4.	8	0	0.00	5	0	0.00	3	0	0.00						
00400	PH	Fresh Chronic	9.	7	0	0.00	4	0	0.00	3	0	0.00						
00403	PH, LAB	Other-Lo Lim.	6.5	7	1	0.14	4	1	0.25	3	0	0.00						
		Fresh Chronic	9.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Lo Lim.	6.5	3	0	0.00	1	0	0.00	2	0	0.00						
00615	NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	1	0	0.00				1	0	0.00						
00630	NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	3	0	0.00	1	0	0.00	2	0	0.00						
00940	CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	3	0	0.00	1	0	0.00	2	0	0.00						
00945	SULFATE, TOTAL (AS SO4)	Drinking Water	250.	3	0	0.00	1	0	0.00	2	0	0.00						
00950	FLUORIDE, DISSOLVED AS F	Drinking Water	4.	3	0	0.00	1	0	0.00	2	0	0.00						
01027	CADMIUM, TOTAL	Fresh Acute	3.9	3	0	0.00	1	0	0.00	2	0	0.00						
01034	CHROMIUM, TOTAL	Drinking Water	5.	3	0	0.00	1	0	0.00	2	0	0.00						
01042	COPPER, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00	2	0	0.00						
01051	LEAD, TOTAL	Fresh Acute	18.	3	0	0.00	1	0	0.00	2	0	0.00						
01067	NICKEL, TOTAL	Drinking Water	1300.	3	0	0.00	1	0	0.00	2	0	0.00						
01092	ZINC, TOTAL	Fresh Acute	82.	3	0	0.00	1	0	0.00	2	0	0.00						
31625	FECAL COLIFORM, MF	Drinking Water	15.	3	0	0.00	1	0	0.00	2	0	0.00						
71900	MERCURY, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	100.	3	0	0.00	1	0	0.00	2	0	0.00						
		Fresh Acute	120.	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	5000.	3	0	0.00	1	0	0.00	2	0	0.00						
		Other-Hi Lim.	200.	3	3	1.00	1	1	1.00	2	2	1.00						
		Fresh Acute	2.4	3	0	0.00	1	0	0.00	2	0	0.00						
		Drinking Water	2.	3	0	0.00	1	0	0.00	2	0	0.00						

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Station Inventory for Station: FRSP0112

NPS Station ID: FRSP0112

Location: ROUTE 611A

Station Type: /TYP/A/MBNT/STREAM

RMI-Indexes:

RMI-Miles:

HUC: 02080103

Major Basin: 02-NORTH ATLANTIC

Minor Basin: 3-RAPPAHANOCK

RF1 Index: 02080103044

RF3 Index:

Description:

VIRGINIA STATE WATER CONTROL BOARD

RIVER: MOUNTAIN RUN

LAT/LON: 38.353615/ -77.894170

Agency: 21VASWCB

FIPS State/County: 51137 VIRGINIA/ORANGE

STORET Station ID(s): 3-MTR003.51 /VA3-04-X0075/VA3-3X0075

Within Park Boundary: No

Date Created: 04/19/76

Depth of Water: 0

Elevation: 0

RF1 Mile Point: 4.020

RF3 Mile Point: 0.00

Aquifer:

Water Body Id:

ECO Region:

Distance from RF1: 0.00

Distance from RF3: 0.00

On/Off RF1: OFF

On/Off RF3:

AMBIENT MONITORING SECTION: 04 BASIN: 3 RAPPAHANOCK RIVER: MOUNTAIN RUN TOPO MAP #: 0025 TOPO MAP NAME: UNIONVILLE, VA

REGION: 3 NORTHERN

Parameter Inventory for Station: FRSP0112

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th	
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/27/76-11/04/98	47	14.	13.149	25.	0.5	52.437	7.241	2.6	7.7	20.	23.02
00070	TURBIDITY, (JACKSON CANDLE UNITS)	12/19/90-03/23/92	6	7.7	9.5	20.	5.8	27.736	5.266	**	**	**	**
00076	TURBIDITY,HACH TURBIDIMETER (FORMAZIN TURB UNIT)	09/29/94-11/04/98	16	8.3	13.756	69.6	2.	341.955	18.492	3.19	5.175	9.675	55.88
00080	COLOR (PLATINUM-COBALT UNITS)	04/24/91-03/02/93	9	50.	62.333	107.	45.	501.25	22.389	45.	47.	79.	107.
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/19/91-11/04/98	25	114.	118.12	184.	86.	544.027	23.324	88.8	105.	129.	153.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/90-11/04/98	30	110.	112.5	160.	80.	477.224	21.845	86.5	96.5	123.5	150.8
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/91-11/04/98	25	9.8	9.824	12.9	6.8	3.685	1.92	7.58	7.9	11.7	12.44
00300	OXYGEN, DISSOLVED MG/L	05/27/76-11/12/91	22	8.9	9.082	13.3	6.	4.042	2.01	6.73	7.35	11.	11.96
00310	BOD, 5 DAY, 20 DEG C MG/L	05/23/77-11/04/98	31	1.	1.348	3.	0.5	0.669	0.818	0.5	1.	2.	3.
00340	COD, 25N K2CR2O7 MG/L	12/19/90-11/04/98	29	10.	12.776	33.	2.5	51.6	7.183	4.	8.	16.5	25.
00400	PH (STANDARD UNITS)	05/27/76-11/04/98	47	7.3	7.215	7.7	6.2	0.123	0.351	6.68	7.1	7.5	7.6
00400	CONVERTED PH (STANDARD UNITS)	05/27/76-11/04/98	47	7.3	7.038	7.7	6.2	0.155	0.394	6.68	7.1	7.5	7.6
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/27/76-11/04/98	47	0.05	0.092	0.631	0.02	0.013	0.116	0.025	0.032	0.079	0.21
00403	PH, LAB, STANDARD UNITS SU	12/19/90-11/04/98	30	7.1	7.137	8.1	6.3	0.176	0.419	6.51	6.875	7.425	7.69
00403	CONVERTED PH, LAB, STANDARD UNITS	12/19/90-11/04/98	30	7.1	6.956	8.1	6.3	0.209	0.458	6.51	6.875	7.425	7.69
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/19/90-11/04/98	30	0.079	0.111	0.501	0.008	0.012	0.109	0.02	0.038	0.134	0.31
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/19/90-11/04/98	30	38.5	40.6	72.	22.	156.386	12.505	26.1	32.	48.25	64.3
00500	RESIDUE, TOTAL (MG/L)	12/19/90-11/04/98	30	82.5	101.167	647.	24.	11035.73	105.051	60.1	66.75	98.25	113.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/19/90-11/04/98	29	26.	28.103	75.	12.	176.596	13.289	16.	20.	32.	50.
00510	RESIDUE, TOTAL FIXED (MG/L)	12/19/90-11/04/98	29	59.	74.448	572.	2.	9531.613	97.63	32.	46.	73.5	86.
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/19/90-11/04/98	30	4.	27.217	606.	1.	12054.064	109.791	1.5	3.	6.25	35.5
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/19/90-11/04/98	29	1.5	3.655	56.	1.	102.752	10.137	1.	1.	1.5	4.
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/19/90-11/04/98	29	3.	24.862	550.	0.5	10283.873	101.409	1.5	1.5	5.	32.
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/76-11/04/98	48 ##	0.05	0.053	0.4	0.01	0.004	0.06	0.02	0.02	0.05	0.1
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/27/76-11/04/98	48 ##	0.005	0.025	0.37	0.005	0.005	0.068	0.005	0.005	0.01	0.04
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/19/90-11/04/98	29	0.6	0.581	1.31	0.02	0.069	0.263	0.26	0.415	0.705	0.92
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/27/76-11/04/98	48	0.3	0.372	2.1	0.05	0.106	0.326	0.1	0.2	0.475	0.7
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	05/27/76-05/03/79	19	0.45	0.526	1.5	0.005	0.142	0.377	0.01	0.26	0.8	1.1
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/19/90-11/04/98	29 ##	0.05	0.1	0.7	0.05	0.015	0.122	0.05	0.05	0.1	0.2
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	12/19/90-12/19/91	5	0.02	0.016	0.03	0.005	0.	0.011	**	**	**	**
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	12/19/90-06/27/96	21	3.6	4.667	15.	0.5	10.98	3.314	2.42	3.2	5.05	11.54
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/77-11/04/98	30	46.	48.067	72.	32.	126.547	11.249	36.	40.	54.5	64.9
00940	CHLORIDE,TOTAL IN WATER MG/L	12/19/90-11/04/98	30	4.5	4.517	9.	2.5	2.146	1.465	2.5	3.75	5.25	6.

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

Parameter Inventory for Station: FRSP0112

Parameter	Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00945 SULFATE, TOTAL (MG/L AS SO4)	12/19/90-11/04/98	30	4.5	4.817	9.	2.	4.715	2.171	2.5	2.5	6.25	8.
00951 FLUORIDE, TOTAL (MG/L AS F)	12/19/90-12/14/92	8 ##	0.08	0.108	0.25	0.05	0.005	0.073	**	**	**	**
00955 SILICA, DISSOLVED (MG/L AS SI02)	12/19/90-12/14/92	9	11.4	11.589	14.4	9.7	2.111	1.453	9.7	10.4	12.6	14.4
01002 ARSENIC, TOTAL (UG/L AS AS)	05/23/77-09/29/94	6 ##	3.5	3.167	5.	1.	4.167	2.041	**	**	**	**
01012 BERYLLIUM, TOTAL (UG/L AS BE)	11/12/91-03/02/93	2 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01027 CADMIUM, TOTAL (UG/L AS CD)	05/23/77-09/29/94	6 ##	5.	4.417	5.	1.5	2.042	1.429	**	**	**	**
01034 CHROMIUM, TOTAL (UG/L AS CR)	05/23/77-09/29/94	6 ##	5.	8.333	25.	5.	66.667	8.165	**	**	**	**
01042 COPPER, TOTAL (UG/L AS CU)	05/23/77-09/29/94	6 ##	5.	8.333	25.	5.	66.667	8.165	**	**	**	**
01045 IRON, TOTAL (UG/L AS FE)	11/14/78-09/29/94	4	527.	595.	919.	407.	50342.	224.37	**	**	**	**
01051 LEAD, TOTAL (UG/L AS PB)	05/23/77-09/29/94	6 ##	5.	5.333	13.	1.5	16.367	4.046	**	**	**	**
01055 MANGANESE, TOTAL (UG/L AS MN)	05/23/77-09/29/94	5	41.2	45.44	80.	21.	609.868	24.696	**	**	**	**
01059 THALLIUM, TOTAL (UG/L AS TL)	03/02/93-03/02/93	1 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
01065 NICKEL, DISSOLVED (UG/L AS NI)	05/23/77-11/14/78	3 ##	50.	51.667	100.	5.	2258.333	47.522	**	**	**	**
01067 NICKEL, TOTAL (UG/L AS NI)	11/12/91-09/29/94	3 ##	5.	11.667	25.	5.	133.333	11.547	**	**	**	**
01092 ZINC, TOTAL (UG/L AS ZN)	05/23/77-09/29/94	6 ##	5.	9.167	25.	5.	64.167	8.01	**	**	**	**
01097 ANTIMONY, TOTAL (UG/L AS SB)	11/12/91-11/12/91	1 ##	5.	5.	5.	5.	0.	0.	**	**	**	**
01147 SELENIUM, TOTAL (UG/L AS SE)	11/12/91-09/29/94	3 ##	10.	10.	10.	10.	0.	0.	**	**	**	**
31616 FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/27/76-11/04/98	45	500.	1537.778	16000.	50.	9525931.313	3086.411	50.	100.	855.	6500.
31616 LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/27/76-11/04/98	45	2.699	2.641	4.204	1.699	0.483	0.695	1.699	2.	2.931	3.805
31616 GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	437.65								
32240 TANNIN AND LIGNIN (MG/L)	06/24/92-12/14/92	3	0.3	0.333	0.4	0.3	0.003	0.058	**	**	**	**
34259 DELTA BENZENE HEXACHLORIDE TOTWUG/L	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34351 ENDOSULFAN SULFATE TOTWUG/L	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34356 ENDOSULFAN, BETA TOTWUG/L	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34361 ENDOSULFAN, ALPHA TOTWUG/L	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34366 ENDRIN ALDEHYDE TOTWUG/L	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
34671 PCB - 1016 TOTWUG/L	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
38745 2,4-DB WATER, TOTUG/L	09/07/93-09/07/93	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39300 P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39310 P,P'DDD IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39320 P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39338 BETA BENZENE HEXACHLORIDE IN WHOLE WATER SAMP	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39340 GAMMA-BHC(LINDANE) WHOLE WATER,UG/L	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.025	0.025	0.025	0.025	0.	0.	**	**	**	**
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39410 HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39492 PCB - 1232 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39500 PCB - 1248 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE UG/L	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39516 PCBS IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.25	0.25	0.25	0.25	0.	0.	**	**	**	**
39730 2,4-D IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.15	0.15	0.15	0.15	0.	0.	**	**	**	**
39740 2,4,5-T IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
39760 SILVEX IN WHOLE WATER SAMPLE (UG/L)	09/07/93-09/07/93	1 ##	0.05	0.05	0.05	0.05	0.	0.	**	**	**	**
46570 HARDNESS, CA MG CALCULATED (MG/L AS CACO3)	03/02/93-09/29/94	2	43.5	43.5	48.	39.	40.5	6.364	**	**	**	**
70505 PHOSPHATE,TOTAL,COLORIMETRIC METHOD (MG/L AS P)	05/27/76-05/03/79	19 ##	0.05	0.05	0.05	0.	0.	0.05	0.05	0.05	0.05	0.05
70507 PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/27/76-11/04/98	42	0.02	0.034	0.2	0.005	0.002	0.041	0.005	0.01	0.04	0.07
71900 MERCURY, TOTAL (UG/L AS HG)	05/23/77-09/29/94	6 ##	0.15	0.183	0.25	0.15	0.003	0.052	**	**	**	**
77825 ALACHLOR WHOLE WATER,UG/L	09/07/93-09/07/93	1 ##	0.005	0.005	0.005	0.005	0.	0.	**	**	**	**
82032 CALCIUM - TOTAL UG/L (AS CA)	03/02/93-03/02/93	1	11180.	11180.	11180.	11180.	0.	0.	**	**	**	**
82078 TURBIDITY,FIELD NEPHELOMETRIC TURBIDITY UNITS,NTU	06/24/92-03/16/94	8	10.35	71.638	500.	4.2	29978.848	173.144	**	**	**	**

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding time series plot

EPA Water Quality Criteria Analysis for Station: FRSP0112

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	6	0	0.00				4	0	0.00	2	0	0.00			
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	16	2	0.13	4	0	0.00	8	1	0.13	4	1	0.25			
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	25	0	0.00	6	0	0.00	12	0	0.00	7	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	22	0	0.00	7	0	0.00	9	0	0.00	6	0	0.00			
00400 PH	Fresh Chronic	9.	47	0	0.00	13	0	0.00	21	0	0.00	13	0	0.00			
	Other-Lo Lim.	6.5	47	3	0.06	13	0	0.00	21	1	0.05	13	2	0.15			
00403 PH, LAB	Fresh Chronic	9.	30	0	0.00	6	0	0.00	16	0	0.00	8	0	0.00			
	Other-Lo Lim.	6.5	30	3	0.10	6	1	0.17	16	0	0.00	13	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	48	0	0.00	13	0	0.00	22	0	0.00	13	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	29	0	0.00	6	0	0.00	15	0	0.00	8	0	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	19	0	0.00	7	0	0.00	7	0	0.00	5	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	30	0	0.00	6	0	0.00	16	0	0.00	8	0	0.00			
	Drinking Water	250.	30	0	0.00	6	0	0.00	16	0	0.00	8	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	30	0	0.00	6	0	0.00	16	0	0.00	8	0	0.00			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	8	0	0.00	1	0	0.00	4	0	0.00	3	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
	Drinking Water	50.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	2	0	0.00				2	0	0.00						
	Drinking Water	4.	0&	0	0.00												
01027 CADMIUM, TOTAL	Fresh Acute	3.9	1&	0	0.00	1	0	0.00									
	Drinking Water	5.	1&	0	0.00	1	0	0.00									
01034 CHROMIUM, TOTAL	Drinking Water	100.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	5&	0	0.00				4	0	0.00	1	0	0.00			
	Drinking Water	1300.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
	Drinking Water	15.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
01059 THALLIUM, TOTAL	Fresh Acute	1400.	1	0	0.00				1	0	0.00						
	Drinking Water	2.	0&	0	0.00												
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	3	0	0.00				2	0	0.00	1	0	0.00			
	Drinking Water	100.	3	1	0.33				2	1	0.50	1	0	0.00			
01067 NICKEL, TOTAL	Fresh Acute	1400.	3	0	0.00	1	0	0.00	2	0	0.00						
01092 ZINC, TOTAL	Drinking Water	100.	3	0	0.00	1	0	0.00	2	0	0.00						
	Fresh Acute	120.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
01097 ANTIMONY, TOTAL	Drinking Water	5000.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
	Fresh Acute	88.	1	0	0.00				1	0	0.00						
01147 SELENIUM, TOTAL	Drinking Water	6.	1	0	0.00				1	0	0.00						
	Fresh Acute	20.	3	0	0.00	1	0	0.00	2	0	0.00						
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Drinking Water	50.	3	0	0.00	1	0	0.00	2	0	0.00						
	Other-Hi Lim.	200.	45	33	0.73	12	8	0.67	22	16	0.73	11	9	0.82			
34356 ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
34361 ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	1	0	0.00	1	0	0.00									
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	1	0	0.00	1	0	0.00									
	Drinking Water	1.	1	0	0.00	1	0	0.00									
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	1	0	0.00	1	0	0.00									
39310 P,P'DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	1	0	0.00	1	0	0.00									
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	1	0	0.00	1	0	0.00									
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	1	0	0.00	1	0	0.00									
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	1	0	0.00	1	0	0.00									
	Drinking Water	0.2	1	0	0.00	1	0	0.00									
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	1	0	0.00	1	0	0.00									
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	1	0	0.00	1	0	0.00									
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	1	0	0.00	1	0	0.00									
	Drinking Water	3.	1	0	0.00	1	0	0.00									
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
	Drinking Water	0.4	1	0	0.00	1	0	0.00									
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	1	0	0.00	1	0	0.00									
	Drinking Water	0.2	1	0	0.00	1	0	0.00									

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Station: FRSP0112

Parameter		Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
							Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
39730	2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	1	0	0.00	1	0	0.00									
39760	SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	1	0	0.00	1	0	0.00									
71900	MERCURY, TOTAL	Fresh Acute	2.4	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
		Drinking Water	2.	6	0	0.00	1	0	0.00	4	0	0.00	1	0	0.00			
82078	TURBIDITY, FIELD	Other-Hi Lim.	50.	8	1	0.13	2	0	0.00	4	0	0.00	2	1	0.50			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

Seasonal Analysis for Season #1: 7/01 to 10/14 - Station FRSP0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/27/76-11/04/98	13	20.	18.769	25.	2.1	35.606	5.967	7.14	16.4	22.6	24.76
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	12/19/91-11/04/98	6	127.5	141.167	184.	124.	618.967	24.879	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/90-11/04/98	6	122.	130.5	159.	111.	358.3	18.929	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/91-11/04/98	6	8.05	8.05	9.1	6.8	0.643	0.802	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/27/76-11/12/91	7	7.2	7.257	8.3	6.	0.593	0.77	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/23/77-11/04/98	6	1.	0.883	1.3	0.5	0.102	0.319	**	**	**	**
00340	COD, .25N K2CR2O7 MG/L	12/19/90-11/04/98	6	10.	11.	18.	6.	17.2	4.147	**	**	**	**
00400	PH (STANDARD UNITS)	05/27/76-11/04/98	13	7.4	7.292	7.7	6.8	0.086	0.293	6.8	7.05	7.5	7.66
00400	CONVERTED PH (STANDARD UNITS)	05/27/76-11/04/98	13	7.4	7.195	7.7	6.8	0.096	0.31	6.8	7.05	7.5	7.66
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/27/76-11/04/98	13	0.04	0.064	0.158	0.02	0.002	0.048	0.022	0.032	0.09	0.158
00403	PH, LAB, STANDARD UNITS SU	12/19/90-11/04/98	6	7.4	7.283	7.8	6.5	0.218	0.467	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/19/90-11/04/98	6	7.4	7.048	7.8	6.5	0.284	0.533	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/19/90-11/04/98	6	0.04	0.089	0.316	0.016	0.013	0.115	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/19/90-11/04/98	6	46.5	52.	72.	40.	177.2	13.312	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/19/90-11/04/98	6	94.	90.667	102.	77.	119.867	10.948	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/19/90-11/04/98	6	28.	27.333	35.	12.	71.467	8.454	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	12/19/90-11/04/98	6	61.	63.333	86.	49.	205.867	14.348	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/19/90-11/04/98	6	3.	3.083	4.	1.5	0.842	0.917	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/19/90-11/04/98	6##	1.5	1.75	4.	1.	1.275	1.129	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/19/90-11/04/98	6##	1.75	1.917	3.	1.5	0.342	0.585	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/76-11/04/98	13##	0.05	0.055	0.17	0.02	0.002	0.044	0.02	0.02	0.075	0.142
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/27/76-11/04/98	13##	0.005	0.061	0.37	0.005	0.016	0.125	0.005	0.005	0.03	0.346
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/19/90-11/04/98	6	0.46	0.433	0.62	0.16	0.023	0.151	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/27/76-11/04/98	13	0.3	0.369	0.7	0.1	0.027	0.165	0.14	0.25	0.5	0.62
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/19/90-11/04/98	6##	0.05	0.058	0.1	0.05	0.	0.02	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/77-11/04/98	6	51.	56.167	72.	43.	159.367	12.624	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	12/19/90-11/04/98	6	4.5	4.417	6.	2.5	1.442	1.201	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/19/90-11/04/98	6	2.75	3.917	9.	2.	7.442	2.728	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/27/76-11/04/98	12	400	562.5	2500.	50.	462784.091	680.282	50.	62.5	775.	2020
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/27/76-11/04/98	12	2.588	2.462	3.398	1.699	0.321	0.567	1.699	1.774	2.889	3.265
31616	GM FECAL COLIFORM,MEMBR FILTER,M-FC BROTH,44.5 C	GEOMETRIC MEAN =			290.038								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/27/76-11/04/98	12	0.03	0.032	0.09	0.005	0.001	0.024	0.005	0.02	0.038	0.081

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/27/76-11/04/98	21	7.7	6.848	14.	0.5	12.929	3.596	1.24	3.65	9.	11.46
00094	SPECIFIC CONDUCTANCE,FIELD (UMHOS/CM @ 25C)	12/19/91-11/04/98	13	109.	114.846	149.	90.	318.808	17.855	90.4	105.5	125.5	147.
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/90-11/04/98	16	106.	112.188	160.	80.	480.029	21.91	87.7	98.25	126.75	153.7
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/91-11/04/98	12	11.7	11.375	12.9	8.2	1.7	1.304	8.68	10.875	12.325	12.78
00300	OXYGEN, DISSOLVED MG/L	05/27/76-11/12/91	9	11.	10.944	13.3	8.6	1.96	1.4	8.6	9.8	11.8	13.3
00310	BOD, 5 DAY, 20 DEG C MG/L	05/23/77-11/04/98	16	1.	1.375	3.	0.5	0.483	0.695	0.5	1.	2.	2.3
00340	COD, .25N K2CR2O7 MG/L	12/19/90-11/04/98	16	10.	12.25	33.	4.	53.667	7.326	4.	8.	15.75	25.3
00400	PH (STANDARD UNITS)	05/27/76-11/04/98	21	7.2	7.186	7.7	6.4	0.12	0.347	6.62	6.95	7.45	7.68
00400	CONVERTED PH (STANDARD UNITS)	05/27/76-11/04/98	21	7.2	7.04	7.7	6.4	0.143	0.378	6.62	6.95	7.45	7.68
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/27/76-11/04/98	21	0.063	0.091	0.398	0.02	0.008	0.092	0.021	0.036	0.113	0.241
00403	PH, LAB, STANDARD UNITS SU	12/19/90-11/04/98	16	7.05	7.144	8.1	6.6	0.148	0.385	6.74	6.9	7.425	7.75
00403	CONVERTED PH, LAB, STANDARD UNITS	12/19/90-11/04/98	16	7.047	7.022	8.1	6.6	0.164	0.405	6.74	6.9	7.425	7.75
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/19/90-11/04/98	16	0.09	0.095	0.251	0.008	0.004	0.063	0.02	0.039	0.126	0.186
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/19/90-11/04/98	16	35.5	39.25	66.	23.	137.4	11.722	25.1	32.	48.25	60.4
00500	RESIDUE, TOTAL (MG/L)	12/19/90-11/04/98	16	77.5	77.688	114.	24.	463.696	21.534	45.	65.25	95.	105.6
00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/19/90-11/04/98	16	22.	24.938	50.	16.	75.929	8.714	16.	20.	27.5	42.3
00510	RESIDUE, TOTAL FIXED (MG/L)	12/19/90-11/04/98	16	58.	52.75	81.	2.	431.533	20.773	18.8	38.5	69.	76.8
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/19/90-11/04/98	16	3.5	5.75	31.	1.	53.6	7.321	1.35	1.5	6.75	17.7
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/19/90-11/04/98	16##	1.5	1.469	4.	1.	0.516	0.718	1.	1.	1.5	2.25

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #2: 10/15 to 3/31 - Station FRSP0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/19/90-11/04/98	16	3.	4.844	27.	0.5	40.324	6.35	1.2	1.5	5.	15.1
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/76-11/04/98	22 ##	0.035	0.04	0.1	0.01	0.001	0.026	0.02	0.02	0.05	0.091
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/27/76-11/04/98	22 ##	0.005	0.007	0.02	0.005	0.	0.004	0.005	0.005	0.01	0.01
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/19/90-11/04/98	15	0.67	0.627	1.31	0.02	0.083	0.288	0.164	0.49	0.79	1.034
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/27/76-11/04/98	22	0.3	0.28	0.7	0.05	0.023	0.153	0.1	0.2	0.325	0.5
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/19/90-11/04/98	15 ##	0.05	0.07	0.1	0.05	0.001	0.025	0.05	0.05	0.1	0.1
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/77-11/04/98	16	42.5	46.313	65.	32.	109.696	10.474	32.7	37.5	53.5	62.9
00940	CHLORIDE, TOTAL IN WATER MG/L	12/19/90-11/04/98	16	5.	4.906	6.	2.5	1.007	1.004	3.55	4.	6.	6.
00945	SULFATE, TOTAL (MG/L AS SO4)	12/19/90-11/04/98	16	6.	5.938	9.	2.5	3.363	1.834	2.5	5.	7.	8.3
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH,44.5 C	05/27/76-11/04/98	22	500.	1465.909	16000.	50.	11915101.515	3451.826	50.	87.5	832.5	4480.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/27/76-11/04/98	22	2.699	2.607	4.204	1.699	0.471	0.686	1.699	1.925	2.92	3.615
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	404.894								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/27/76-11/04/98	19	0.02	0.026	0.07	0.005	0.	0.021	0.005	0.01	0.03	0.07

** - Less than 9 observations ## - Computed with 50% or more of the total observations as values that were half the detection limit p - Has a corresponding box-and-whisker plot

Seasonal Analysis for Season #3: 4/01 to 6/30 - Station FRSP0112

Parameter		Period of Record	Obs	Median	Mean	Maximum	Minimum	Variance	Std. Dev.	10th	25th	75th	90th
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	05/27/76-11/04/98	13	18.8	17.708	23.3	9.9	17.634	4.199	10.5	14.6	20.7	23.22
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	12/19/91-11/04/98	6	100.5	102.167	128.	86.	256.567	16.018	**	**	**	**
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	12/19/90-11/04/98	8	97.5	99.625	125.	80.	225.125	15.004	**	**	**	**
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE MG/L	04/24/91-11/04/98	7	7.9	8.686	10.5	7.4	1.618	1.272	**	**	**	**
00300	OXYGEN, DISSOLVED MG/L	05/27/76-11/12/91	6	8.5	8.417	10.	6.7	1.69	1.3	**	**	**	**
00310	BOD, 5 DAY, 20 DEG C MG/L	05/23/77-11/04/98	9	1.	1.611	3.	0.5	1.299	1.14	0.5	0.5	3.	3.
00340	COD, 25N K2CR207 MG/L	12/19/90-11/04/98	7	16.	15.5	28.	2.5	79.75	8.93	**	**	**	**
00400	PH (STANDARD UNITS)	05/27/76-11/04/98	13	7.3	7.185	7.6	6.2	0.176	0.42	6.28	7.15	7.45	7.56
00400	CONVERTED PH (STANDARD UNITS)	05/27/76-11/04/98	13	7.3	6.922	7.6	6.2	0.251	0.501	6.28	7.15	7.45	7.56
00400	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	05/27/76-11/04/98	13	0.05	0.12	0.631	0.025	0.033	0.182	0.028	0.036	0.071	0.538
00403	PH, LAB, STANDARD UNITS SU	12/19/90-11/04/98	8	7.05	7.013	7.7	6.3	0.218	0.467	**	**	**	**
00403	CONVERTED PH, LAB, STANDARD UNITS	12/19/90-11/04/98	8	7.047	6.801	7.7	6.3	0.27	0.519	**	**	**	**
00403	MICRO EQUIVALENTS/LITER OF H+ COMPUTED FROM PH	12/19/90-11/04/98	8	0.09	0.158	0.501	0.02	0.028	0.168	**	**	**	**
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	12/19/90-11/04/98	8	33.	34.75	48.	22.	72.214	8.498	**	**	**	**
00500	RESIDUE, TOTAL (MG/L)	12/19/90-11/04/98	8	88.	156.	647.	61.	39849.429	199.623	**	**	**	**
00505	RESIDUE, TOTAL VOLATILE (MG/L)	12/19/90-11/04/98	7	27.	36.	75.	13.	474.667	21.787	**	**	**	**
00510	RESIDUE, TOTAL FIXED (MG/L)	12/19/90-11/04/98	7	62.	133.571	572.	32.	37773.286	194.354	**	**	**	**
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	12/19/90-11/04/98	8	5.	88.25	606.	4.	44013.071	209.793	**	**	**	**
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	12/19/90-11/04/98	7	2.	10.286	56.	1.	409.488	20.236	**	**	**	**
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	12/19/90-11/04/98	7	4.	90.286	550.	3.	41301.571	203.228	**	**	**	**
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	05/27/76-11/04/98	13 ##	0.05	0.074	0.4	0.02	0.01	0.101	0.02	0.02	0.07	0.28
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	05/27/76-11/04/98	13	0.01	0.018	0.05	0.	0.005	0.015	0.005	0.005	0.03	0.046
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	12/19/90-11/04/98	8	0.605	0.604	0.99	0.26	0.071	0.267	**	**	**	**
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	05/27/76-11/04/98	13	0.4	0.531	2.1	0.1	0.306	0.553	0.14	0.2	0.6	1.74
00665	PHOSPHORUS, TOTAL (MG/L AS P)	12/19/90-11/04/98	8	0.1	0.188	0.7	0.05	0.046	0.215	**	**	**	**
00900	HARDNESS, TOTAL (MG/L AS CACO3)	05/23/77-11/04/98	8	43.5	45.5	64.	36.	104.571	10.226	**	**	**	**
00940	CHLORIDE, TOTAL IN WATER MG/L	12/19/90-11/04/98	8	3.	3.813	9.	2.5	4.781	2.187	**	**	**	**
00945	SULFATE, TOTAL (MG/L AS SO4)	12/19/90-11/04/98	8 ##	3.25	3.25	4.	2.5	0.643	0.802	**	**	**	**
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH,44.5 C	05/27/76-11/04/98	11	700.	2745.455	9200.	50.	13626227.273	3691.372	50.	200.	8000.	8960.
31616	LOG FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C	05/27/76-11/04/98	11	2.845	2.904	3.964	1.699	0.669	0.818	1.699	2.301	3.903	3.952
31616	GM FECAL COLIFORM, MEMBR FILTER,M-FC BROTH,44.5 C			GEOMETRIC MEAN =	800.967								
70507	PHOSPHORUS,IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	05/27/76-11/04/98	11	0.02	0.05	0.2	0.005	0.005	0.071	0.005	0.005	0.05	0.196

EPA Water Quality Criteria Analysis for Entire FRSP Study Area

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard	Exceeding	Obs	Exceed	Prop	Obs	Exceed	Prop	Obs	Exceed	Prop	Obs	Exceed	Prop
00070 TURBIDITY, JACKSON CANDLE UNITS	Other-Hi Lim.	50.	261	10	0.04	71	3	0.04	126	5	0.04	64	2	0.03			
00076 TURBIDITY, HACH TURBIDIMETER	Other-Hi Lim.	50.	648	61	0.09	199	16	0.08	283	33	0.12	166	12	0.07			
00299 OXYGEN, DISSOLVED, ANALYSIS BY PROBE	Other-Lo Lim.	4.	1037	1	0.00	302	0	0.00	455	1	0.00	280	0	0.00			
00300 OXYGEN, DISSOLVED	Other-Lo Lim.	4.	2503	36	0.01	848	22	0.03	966	5	0.01	689	9	0.01			
00400 PH	Fresh Chronic	9.	3477	16	0.00	1148	2	0.00	1377	10	0.01	952	4	0.00			
	Other-Lo Lim.	6.5	3477	451	0.13	1148	126	0.11	1377	198	0.14	952	127	0.13			
00403 PH, LAB	Fresh Chronic	9.	1443	0	0.00	428	0	0.00	599	0	0.00	416	0	0.00			
	Other-Lo Lim.	6.5	1443	415	0.29	428	74	0.17	599	241	0.40	416	100	0.24			
00406 PH, FIELD	Fresh Chronic	9.	213	4	0.02	58	3	0.05	100	1	0.01	55	0	0.00			
	Other-Lo Lim.	6.5	213	79	0.37	58	20	0.34	100	45	0.45	55	14	0.25			
00409 ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYS	Other-Lo Lim.	200.	4	4	1.00				2	2	1.00	2	2	1.00			
00613 NITRITE NITROGEN, DISSOLVED AS N	Drinking Water	1.	883 &	0	0.00	224	0	0.00	395	0	0.00	264	0	0.00			
00615 NITRITE NITROGEN, TOTAL AS N	Drinking Water	1.	2163	4	0.00	733	4	0.01	830	0	0.00	600	0	0.00			
00618 NITRATE NITROGEN, DISSOLVED AS N	Drinking Water	10.	891	0	0.00	226	0	0.00	402	0	0.00	263	0	0.00			
00620 NITRATE NITROGEN, TOTAL AS N	Drinking Water	10.	1809	2	0.00	629	0	0.00	690	1	0.00	490	1	0.00			
00630 NITRITE PLUS NITRATE, TOTAL 1 DET.	Drinking Water	10.	465	0	0.00	139	0	0.00	184	0	0.00	142	0	0.00			
00631 NITRITE PLUS NITRATE, DISS. 1 DET.	Drinking Water	10.	382	0	0.00	88	0	0.00	187	0	0.00	107	0	0.00			
00940 CHLORIDE, TOTAL IN WATER	Fresh Acute	860.	1180	1	0.00	338	0	0.00	544	1	0.00	298	0	0.00			
	Drinking Water	250.	1180	2	0.00	338	0	0.00	544	2	0.00	298	0	0.00			
00941 CHLORIDE, DISSOLVED IN WATER	Fresh Acute	860.	4	0	0.00				2	0	0.00	2	0	0.00			
	Drinking Water	250.	4	0	0.00				2	0	0.00	2	0	0.00			
00945 SULFATE, TOTAL (AS SO4)	Drinking Water	250.	1337	0	0.00	465	0	0.00	528	0	0.00	344	0	0.00			
00946 SULFATE, DISSOLVED (AS SO4)	Drinking Water	250.	4	0	0.00				2	0	0.00	2	0	0.00			
00950 FLUORIDE, DISSOLVED AS F	Drinking Water	4.	342	0	0.00	94	0	0.00	160	0	0.00	88	0	0.00			
00951 FLUORIDE, TOTAL AS F	Drinking Water	4.	227	0	0.00	57	0	0.00	120	0	0.00	50	0	0.00			
01000 ARSENIC, DISSOLVED	Fresh Acute	360.	56	0	0.00	14	0	0.00	27	0	0.00	15	0	0.00			
	Drinking Water	50.	56	0	0.00	14	0	0.00	27	0	0.00	15	0	0.00			
01001 ARSENIC, SUSPENDED	Fresh Acute	360.	10	0	0.00	2	0	0.00	6	0	0.00	2	0	0.00			
	Drinking Water	50.	10	0	0.00	2	0	0.00	6	0	0.00	2	0	0.00			
01002 ARSENIC, TOTAL	Fresh Acute	360.	210	0	0.00	74	0	0.00	76	0	0.00	60	0	0.00			
	Drinking Water	50.	210	0	0.00	74	0	0.00	76	0	0.00	60	0	0.00			
01005 BARIUM, DISSOLVED	Drinking Water	2000.	56	0	0.00	15	0	0.00	27	0	0.00	14	0	0.00			
01006 BARIUM, SUSPENDED	Drinking Water	2000.	11	0	0.00	2	0	0.00	7	0	0.00	2	0	0.00			
01007 BARIUM, TOTAL	Drinking Water	2000.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00			
01010 BERYLLIUM, DISSOLVED	Fresh Acute	130.	38	0	0.00	11	0	0.00	18	0	0.00	9	0	0.00			
	Drinking Water	4.	38	0	0.00	11	0	0.00	18	0	0.00	9	0	0.00			
01012 BERYLLIUM, TOTAL	Fresh Acute	130.	29	0	0.00	11	0	0.00	11	0	0.00	7	0	0.00			
	Drinking Water	4.	14 &	0	0.00	9	0	0.00	1	0	0.00	4	0	0.00			
01025 CADMIUM, DISSOLVED	Fresh Acute	3.9	55 &	0	0.00	13	0	0.00	27	0	0.00	15	0	0.00			
01026 CADMIUM, SUSPENDED	Drinking Water	5.	55 &	0	0.00	13	0	0.00	27	0	0.00	15	0	0.00			
01027 CADMIUM, TOTAL	Fresh Acute	3.9	9	0	0.00	1	0	0.00	6	0	0.00	2	0	0.00			
	Drinking Water	5.	9	0	0.00	1	0	0.00	6	0	0.00	2	0	0.00			
01030 CHROMIUM, DISSOLVED	Fresh Acute	3.9	89 &	9	0.10	53	3	0.06	26	4	0.15	10	2	0.20			
	Drinking Water	5.	89 &	9	0.10	53	3	0.06	26	4	0.15	10	2	0.20			
01031 CHROMIUM, SUSPENDED	Fresh Acute	100.	55	0	0.00	13	0	0.00	27	0	0.00	15	0	0.00			
01034 CHROMIUM, TOTAL	Drinking Water	100.	7	0	0.00	1	0	0.00	4	0	0.00	2	0	0.00			
01040 COPPER, DISSOLVED	Fresh Acute	100.	336	0	0.00	102	0	0.00	121	0	0.00	113	0	0.00			
	Drinking Water	1300.	56	0	0.00	14	0	0.00	27	0	0.00	15	0	0.00			
01041 COPPER, SUSPENDED	Fresh Acute	18.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00			
	Drinking Water	1300.	12	0	0.00	2	0	0.00	7	0	0.00	3	0	0.00			
01042 COPPER, TOTAL	Fresh Acute	18.	314 &	29	0.09	88	7	0.08	116	9	0.08	110	13	0.12			
	Drinking Water	1300.	327	0	0.00	96	0	0.00	121	0	0.00	110	0	0.00			
01049 LEAD, DISSOLVED	Fresh Acute	82.	56	0	0.00	14	0	0.00	27	0	0.00	15	0	0.00			
	Drinking Water	15.	56	2	0.04	14	0	0.00	27	2	0.07	15	0	0.00			
01050 LEAD, SUSPENDED	Fresh Acute	82.	10	0	0.00	2	0	0.00	5	0	0.00	3	0	0.00			
	Drinking Water	15.	10	0	0.00	2	0	0.00	5	0	0.00	3	0	0.00			
01051 LEAD, TOTAL	Fresh Acute	82.	306	0	0.00	101	0	0.00	118	0	0.00	87	0	0.00			
	Drinking Water	15.	306	13	0.04	101	4	0.04	118	6	0.05	87	3	0.03			
01057 THALLIUM, DISSOLVED	Fresh Acute	1400.	5	0	0.00	2	0	0.00	2	0	0.00	1	0	0.00			
	Drinking Water	2.	3 &	0	0.00				2	0	0.00	1	0	0.00			

& - Below detection limit observations, for which half the detection limit exceeded the criterion, were excluded from the criterion comparison for this parameter

EPA Water Quality Criteria Analysis for Entire FRSP Study Area

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a			
			Obs	Standard		Exceeding	Obs	Exceed	Prop	Obs	Exceed	Prop	Obs	Exceed	Prop	Obs	Exceed	Prop
01059 THALLIUM, TOTAL	Fresh Acute	1400.	27	0	0.00	11	0	0.00	9	0	0.00	7	0	0.00				
	Drinking Water	2.	7 &	2	0.29	7	2	0.29										
01065 NICKEL, DISSOLVED	Fresh Acute	1400.	171	0	0.00	24	0	0.00	83	0	0.00	64	0	0.00				
	Drinking Water	100.	171	2	0.01	24	0	0.00	83	2	0.02	64	0	0.00				
01066 NICKEL, SUSPENDED	Fresh Acute	1400.	9	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00				
	Drinking Water	100.	9	0	0.00	2	0	0.00	5	0	0.00	2	0	0.00				
01067 NICKEL, TOTAL	Fresh Acute	1400.	103	0	0.00	55	0	0.00	38	0	0.00	10	0	0.00				
	Drinking Water	100.	103	1	0.01	55	0	0.00	38	1	0.03	10	0	0.00				
01075 SILVER, DISSOLVED	Fresh Acute	4.1	59	0	0.00	14	0	0.00	29	0	0.00	16	0	0.00				
	Drinking Water	100.	59	0	0.00	14	0	0.00	29	0	0.00	16	0	0.00				
01076 SILVER, SUSPENDED	Fresh Acute	4.1	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00				
	Drinking Water	100.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00				
01077 SILVER, TOTAL	Fresh Acute	4.1	17	0	0.00	5	0	0.00	8	0	0.00	4	0	0.00				
	Drinking Water	100.	17	0	0.00	5	0	0.00	8	0	0.00	4	0	0.00				
01090 ZINC, DISSOLVED	Fresh Acute	120.	56	0	0.00	14	0	0.00	27	0	0.00	15	0	0.00				
	Drinking Water	5000.	56	0	0.00	14	0	0.00	27	0	0.00	15	0	0.00				
01091 ZINC, SUSPENDED	Fresh Acute	120.	10	1	0.10	1	0	0.00	6	0	0.00	3	1	0.33				
	Drinking Water	5000.	10	0	0.00	1	0	0.00	6	0	0.00	3	0	0.00				
01092 ZINC, TOTAL	Fresh Acute	120.	397	6	0.02	125	3	0.02	146	2	0.01	126	1	0.01				
	Drinking Water	5000.	397	0	0.00	125	0	0.00	146	0	0.00	126	0	0.00				
01095 ANTIMONY, DISSOLVED	Fresh Acute	88.	6	0	0.00	2	0	0.00	2	0	0.00	2	0	0.00				
	Drinking Water	6.	5 &	0	0.00	1	0	0.00	2	0	0.00	2	0	0.00				
01097 ANTIMONY, TOTAL	Fresh Acute	88.	3	0	0.00	1	0	0.00	2	0	0.00	0	0	0.00				
	Drinking Water	6.	3	0	0.00	1	0	0.00	2	0	0.00	0	0	0.00				
01145 SELENIUM, DISSOLVED	Fresh Acute	20.	59 &	0	0.00	14	0	0.00	29	0	0.00	16	0	0.00				
	Drinking Water	50.	60	0	0.00	15	0	0.00	29	0	0.00	16	0	0.00				
01146 SELENIUM, SUSPENDED	Fresh Acute	20.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00				
	Drinking Water	50.	8	0	0.00	1	0	0.00	5	0	0.00	2	0	0.00				
01147 SELENIUM, TOTAL	Fresh Acute	20.	53	0	0.00	20	0	0.00	23	0	0.00	10	0	0.00				
	Drinking Water	50.	53	0	0.00	20	0	0.00	23	0	0.00	10	0	0.00				
22703 URANIUM, NATURAL DISSOLVED	Drinking Water	20.	1	0	0.00	1	0	0.00										
31505 COLIFORM, TOTAL, MPN, CONF. TEST, 35C	Other-Hi Lim.	1000.	149	91	0.61	82	45	0.55	22	18	0.82	45	28	0.62				
31506 COLIFORM, TOTAL, MPN, CONF. TEST, TUBE C	Other-Hi Lim.	1000.	2	0	0.00	2	0	0.00										
31614 FECAL COLIFORM, MPN, TUBE CONFIGURATION	Other-Hi Lim.	200.	7	1	0.14				2	0	0.00	5	1	0.20				
31615 FECAL COLIFORM, MPN	Other-Hi Lim.	200.	44	11	0.25	21	9	0.43	15	2	0.13	8	0	0.00				
31616 FECAL COLIFORM, MEMBRANE FILTER, BROTH	Other-Hi Lim.	200.	1946	751	0.39	641	263	0.41	764	257	0.34	541	231	0.43				
31625 FECAL COLIFORM, MF	Other-Hi Lim.	200.	110	32	0.29	24	8	0.33	57	19	0.33	29	5	0.17				
32101 BROMODICHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00										
32102 CARBON TETRACHLORIDE, WHOLE WATER	Fresh Acute	35200.	1	0	0.00	1	0	0.00										
32103 1,2-DICHLOROETHANE,WHOLE WATER	Fresh Acute	118000.	1	0	0.00	1	0	0.00										
32104 BROMOFORM, WHOLE WATER	Drinking Water	5.	1	0	0.00	1	0	0.00										
32105 DIBROMOCHLOROMETHANE, WHOLE WATER	Drinking Water	100.	1	0	0.00	1	0	0.00										
32106 CHLOROFORM, WHOLE WATER	Fresh Acute	28900.	1	0	0.00	1	0	0.00										
34010 TOLUENE IN WTR SMPLE GC-MS, HEXADECONE E	Fresh Acute	17500.	1	0	0.00	1	0	0.00										
34205 ACENAPHTHENE, TOTAL	Drinking Water	1000.	1	0	0.00	1	0	0.00										
34210 ACRYLEIN, TOTAL	Fresh Acute	1700.	1	0	0.00	1	0	0.00										
34215 ACRYLONITRILE, TOTAL	Fresh Acute	68.	1	0	0.00	1	0	0.00										
34301 CHLOROBENZENE, TOTAL	Drinking Water	7550.	1	0	0.00	1	0	0.00										
34346 1,2-DIPHENYLHYDRAZINE, TOTAL	Fresh Acute	270.	1	0	0.00	1	0	0.00										
34356 ENDOSULFAN, BETA, TOTAL	Fresh Acute	0.22	24	0	0.00	24	0	0.00										
34361 ENDOSULFAN, ALPHA, TOTAL	Fresh Acute	0.22	24	0	0.00	24	0	0.00										
34371 ETHYLBENZENE, TOTAL	Fresh Acute	32000.	1	0	0.00	1	0	0.00										
34376 FLUORANTHENE, TOTAL	Drinking Water	700.	1	0	0.00	1	0	0.00										
34386 HEXACHLOROCYCLOPENTADIENE, TOTAL	Fresh Acute	3980.	1	0	0.00	1	0	0.00										
34396 HEXACHLOROETHANE, TOTAL	Drinking Water	50.	1	0	0.00	1	0	0.00										
	Fresh Acute	980.	1	0	0.00	1	0	0.00										

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EPA Water Quality Criteria Analysis for Entire FRSP Study Area

Parameter	Std. Type	Std. Value	Total Obs	Exceed Standard	Prop. Exceeding	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
						Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
34403 INDENO (1,2,3-CD) PYRENE, TOTAL	Drinking Water	0.4	0	&	0	0.0	0	0.00									
34408 ISOPHORONE, TOTAL	Fresh Acute	117000.	1	0	0.00	1	0	0.00									
34423 METHYLENE CHLORIDE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34447 NITROBENZENE, TOTAL	Fresh Acute	27000.	1	0	0.00	1	0	0.00									
34452 PARACHLOROMETA CRESOL, TOTAL	Fresh Acute	30.	1	0	0.00	1	0	0.00									
34461 PHENANTHRENE, TOTAL	Fresh Acute	30.	1	0	0.00	1	0	0.00									
34475 TETRACHLOROETHYLENE, TOTAL	Fresh Acute	5280.	1	0	0.00	1	0	0.00									
	Drinking Water	5.	1	0	0.00	1	0	0.00									
34501 1,1-DICHLOROETHYLENE, TOTAL	Drinking Water	7.	1	0	0.00	1	0	0.00									
34506 1,1,1-TRICHLOROETHANE, TOTAL	Drinking Water	200.	1	0	0.00	1	0	0.00									
34511 1,1,2-TRICHLOROETHANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34536 1,2-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34541 1,2-DICHLOROPROPANE, TOTAL	Drinking Water	5.	1	0	0.00	1	0	0.00									
34546 TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATE	Drinking Water	100.	1	0	0.00	1	0	0.00									
34551 1,2,4-TRICHLOROBENZENE, TOTAL	Drinking Water	70.	1	0	0.00	1	0	0.00									
34566 1,3-DICHLOROBENZENE, TOTAL	Drinking Water	600.	1	0	0.00	1	0	0.00									
34571 1,4-DICHLOROBENZENE, TOTAL	Drinking Water	75.	1	0	0.00	1	0	0.00									
34586 2-CHLOROPHENOL, TOTAL	Fresh Acute	4380.	1	0	0.00	1	0	0.00									
34601 2,4-DICHLOROPHENOL, TOTAL	Fresh Acute	2020.	1	0	0.00	1	0	0.00									
34606 2,4-DIMETHYLPHENOL, TOTAL	Fresh Acute	2120.	1	0	0.00	1	0	0.00									
34611 2,4-DINITROTOLUENE, TOTAL	Fresh Acute	330.	1	0	0.00	1	0	0.00									
34675 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN, TOT	Fresh Acute	0.01	0	&	0	0.00											
	Drinking Water	0.000	03												0&	0	0.00
34694 PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	Fresh Acute	10200.	1	0	0.00	1	0	0.00									
34696 NAPHTHALENE, TOTAL	Fresh Acute	2300.	1	0	0.00	1	0	0.00									
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMP	Fresh Acute	20.	45	0	0.00	35	0	0.00	5	0	0.00	5	0	0.00	5	0	0.00
	Drinking Water	1.	44 &	0	0.00	34	0	0.00	5	0	0.00	5	0	0.00	5	0	0.00
39033 ATRAZINE IN WHOLE WATER SAMPLE	Drinking Water	3.	3	0	0.00	3	0	0.00									
39100 BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	Fresh Acute	2000.	1	0	0.00	1	0	0.00									
39175 VINYL CHLORIDE-WHOLE WATER SAMPLE	Drinking Water	2.	0 &	0	0.00												
39180 TRICHLOROETHYLENE-WHOLE WATER SAMPLE	Fresh Acute	45000.	1	0	0.00	1	0	0.00									
	Drinking Water	5.	1	0	0.00	1	0	0.00									
39300 P,P' DDT IN WHOLE WATER SAMPLE	Fresh Acute	1.1	45	0	0.00	35	0	0.00	5	0	0.00	5	0	0.00	5	0	0.00
39310 P,P' DDD IN WHOLE WATER SAMPLE	Fresh Acute	0.6	45	0	0.00	35	0	0.00	5	0	0.00	5	0	0.00	5	0	0.00
39320 P,P' DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	45	0	0.00	35	0	0.00	5	0	0.00	5	0	0.00	5	0	0.00
39330 ALDRIN IN WHOLE WATER SAMPLE	Fresh Acute	3.	62	0	0.00	52	0	0.00	5	0	0.00	5	0	0.00	5	0	0.00
39340 GAMMA-BHC(LINDANE), WHOLE WATER	Fresh Acute	2.	24	0	0.00	24	0	0.00									
	Drinking Water	0.2	24	0	0.00	24	0	0.00									
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATE	Fresh Acute	2.4	25	0	0.00	15	0	0.00	5	0	0.00	5	0	0.00	5	0	0.00
	Drinking Water	2.	25	0	0.00	15	0	0.00	5	0	0.00	5	0	0.00	5	0	0.00
39365 DDE IN WHOLE WATER SAMPLE	Fresh Acute	1050.	2	0	0.00	1	0	0.00							1	0	0.00
39380 DIELDRIN IN WHOLE WATER SAMPLE	Fresh Acute	2.5	46	0	0.00	36	0	0.00	5	0	0.00	5	0	0.00	5	0	0.00
39390 ENDRIN IN WHOLE WATER SAMPLE	Fresh Acute	0.18	46	0	0.00	35	0	0.00	6	0	0.00	5	0	0.00	5	0	0.00
39400 TOXAPHENE IN WHOLE WATER SAMPLE	Fresh Acute	0.73	24	0	0.00	24	0	0.00									
	Drinking Water	3.	24	0	0.00	24	0	0.00									
39410 HEPTACHLOR IN WHOLE WATER SAMPLE	Fresh Acute	0.52	24	0	0.00	24	0	0.00									
	Drinking Water	0.4	24	0	0.00	24	0	0.00									
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	Fresh Acute	0.52	24	0	0.00	24	0	0.00									
	Drinking Water	0.2	24	0	0.00	24	0	0.00									
39480 METHOXYCHLOR IN WHOLE WATER SAMPLE	Drinking Water	40.	21	0	0.00	11	0	0.00	5	0	0.00	5	0	0.00	5	0	0.00
39630 ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	Drinking Water	3.	19	0	0.00	18	0	0.00							1	0	0.00
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	Fresh Acute	6.	22	0	0.00	12	0	0.00	5	0	0.00	5	0	0.00	5	0	0.00
	Drinking Water	1.	21 &	0	0.00	11	0	0.00	5	0	0.00	5	0	0.00	5	0	0.00
39702 HEXACHLOROBUTADIENE IN WHOLE WATER SAMPL	Fresh Acute	90.	1	0	0.00	1	0	0.00									
39730 2,4-D IN WHOLE WATER SAMPLE	Drinking Water	70.	21	0	0.00	21	0	0.00									
39760 SILVEX IN WHOLE WATER SAMPLE	Drinking Water	50.	21	0	0.00	21	0	0.00									
39782 LINDANE IN WHOLE WATER SAMPLE	Fresh Acute	2.	1	0	0.00										1	0	0.00
	Drinking Water	0.2	1	0	0.00										1	0	0.00
50060 CHLORINE, TOTAL RESIDUAL	Fresh Acute	0.019	189	83	0.44	74	40	0.54	47	16	0.34	68	27	0.40			

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EPA Water Quality Criteria Analysis for Entire FRSP Study Area

Parameter	Std. Type	Std. Value	Total	Exceed	Prop.	7/01-10/14			10/15-3/31			4/01-6/30			n/a		
			Obs	Standard		Exceeding	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.	Obs	Exceed	Prop.
71851 NITRATE NITROGEN, DISSOLVED (AS NO3)	Drinking Water	44.	208	0	0.00	63	0	0.00	91	0	0.00	54	0	0.00	3	0	0.00
71856 NITRITE NITROGEN, DISSOLVED (AS NO2)	Drinking Water	3.3	7	0	0.00	4	0	0.00									
71890 MERCURY, DISSOLVED	Fresh Acute	2.4	54	0	0.00	12	0	0.00	27	0	0.00	15	0	0.00			
71895 MERCURY, SUSPENDED	Drinking Water	2.	54	0	0.00	12	0	0.00	27	0	0.00	15	0	0.00			
	Fresh Acute	2.4	5	0	0.00				4	0	0.00	1	0	0.00			
71900 MERCURY, TOTAL	Drinking Water	2.	5	0	0.00				4	0	0.00	1	0	0.00			
	Fresh Acute	2.4	321	5	0.02	109	2	0.02	115	2	0.02	97	1	0.01			
	Drinking Water	2.	321	7	0.02	109	2	0.02	115	3	0.03	97	2	0.02			
82078 TURBIDITY, FIELD	Other-Hi Lim.	50.	119	8	0.07	29	1	0.03	51	3	0.06	39	4	0.10			
82079 TURBIDITY, LAB	Other-Hi Lim.	50.	3	0	0.00				1	0	0.00	2	0	0.00			

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NPS Servicewide Inventory and Monitoring Program Level I

Water Quality Parameter Inventory Data Evaluation and Analysis:

Missing Level I Groups

There are STORET Data for Every Level I I&M Parameter Group Within
the FRSP Study Area

NPS Servicewide Inventory and Monitoring Program Level I
Water Quality Parameter Inventory Data Evaluation and Analysis:
Present Level I Groups

STORET Data Within the FRSP Study Area Exist for These Groups:

		Total Obs.	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
Alkalinity						
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS (UEQ/L)	4	4	0	0	2
00410	ALKALINITY, TOTAL (MG/L AS CACO ₃)	1406	1064	43	299	47
00440	BICARBONATE ION (MG/L AS HCO ₃)	236	4	4	228	3
00445	CARBONATE ION (MG/L AS CO ₃)	228	0	4	224	1
		1874	1072	51	751	53 (49) ¹
pH						
00400	PH (STANDARD UNITS)	3554	1811	942	801	57
00403	PH, LAB (STANDARD UNITS)	1483	1364	45	74	62
00406	PH, FIELD (STANDARD UNITS)	213	213	0	0	10
		5250	3388	987	875	129 (81) ¹
Conductivity						
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	1947	1640	307	0	35
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	1844	1537	56	251	53
00096	SALINITY AT 25 DEGREES C (MG/ML)	510	488	0	22	5
00480	SALINITY - PARTS PER THOUSAND	6	1	5	0	6
		4307	3666	368	273	99 (65) ¹
Dissolved Oxygen						
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	1151	1151	0	0	23
00300	OXYGEN, DISSOLVED (MG/L)	2503	966	935	602	63
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	1	0	0	1	1
		3655	2117	935	603	87 (71) ¹
Water Temperature						
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	3878	2134	910	834	69
		3878	2134	910	834	69 (69) ¹
Flow						
00060	FLOW, STREAM, MEAN DAILY CFS	220	0	0	220	2
00061	FLOW, STREAM, INSTANTANEOUS CFS	478	414	64	0	21
00065	STAGE, STREAM (FEET)	150	147	3	0	7
00067	TIDE STAGE CODE	509	275	127	107	12
		1357	836	194	327	42 (31) ¹

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Clarity/Turbidity	Total Obs.	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00070 TURBIDITY, (JACKSON CANDLE UNITS)	270	241	4	25	26
00076 TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	685	640	45	0	19
00077 TRANSPARENCY, SECCHI DISC (INCHES)	13	0	2	11	3
00078 TRANSPARENCY, SECCHI DISC (METERS)	222	215	7	0	10
00530 RESIDUE, TOTAL NONFILTRABLE (MG/L)	2353	1767	510	76	46
82078 TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	122	122	0	0	10
82079 TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	3	3	0	0	2
	3668	2988	568	112	116 (49) ¹
Nitrate/Nitrogen	Total Obs.	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00600 NITROGEN, TOTAL (MG/L AS N)	25	0	25	0	1
00602 NITROGEN, DISSOLVED (MG/L AS N)	34	22	12	0	2
00605 NITROGEN, ORGANIC, TOTAL (MG/L AS N)	25	0	25	0	1
00607 NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	12	0	12	0	1
00608 NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	1033	998	35	0	5
00610 NITROGEN, AMMONIA, TOTAL (MG/L AS N)	2303	889	893	521	58
00618 NITRATE NITROGEN, DISSOLVED (MG/L AS N)	1015	944	0	71	6
00620 NITRATE NITROGEN, TOTAL (MG/L AS N)	1809	831	533	445	45
00623 NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	63	1	26	36	2
00625 NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	3128	1687	913	528	59
00630 NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	465	26	360	79	30
00631 NITRITE PLUS NITRATE, DISS. 1 DET. (MG/L AS N)	382	340	35	7	2
71845 NITROGEN, AMMONIA, TOTAL (MG/L AS NH4)	13	0	13	0	1
71846 NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH4)	23	1	22	0	1
71851 NITRATE NITROGEN, DISSOLVED (MG/L AS NO3)	208	4	0	204	3
71856 NITRITE NITROGEN, DISSOLVED (MG/L AS NO2)	7	0	0	7	1
	10545	5743	2904	1898	218 (61) ¹
Phosphate/Phosphorus	Total Obs.	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00650 PHOSPHATE, TOTAL (MG/L AS PO4)	234	0	3	231	3
00660 PHOSPHATE, ORTHO (MG/L AS PO4)	116	0	6	110	8
00665 PHOSPHORUS, TOTAL (MG/L AS P)	2304	1925	378	1	54
00666 PHOSPHORUS, DISSOLVED (MG/L AS P)	1129	1081	48	0	17
00671 PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	1741	1368	350	23	34
70505 PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	982	0	538	444	22
70507 PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	1780	727	540	513	49
	8286	5101	1863	1322	187 (71) ¹
Chlorophyll	Total Obs.	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
32210 CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	2	2	0	0	1
32211 CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	2	2	0	0	1
	4	4	0	0	2 (1) ¹
Sulfates/Total Dissolved Solids/Hardness	Total Obs.	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
00900 HARDNESS, TOTAL (MG/L AS CACO3)	1021	749	43	229	29
00945 SULFATE, TOTAL (MG/L AS SO4)	1340	704	164	472	41
00946 SULFATE, DISSOLVED (MG/L AS SO4)	4	4	0	0	2
70300 RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	552	281	43	228	16
	2917	1738	250	929	88 (53) ¹

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Bacteria		Total Obs.	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	149	0	17	132	14
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	2	2	0	0	2
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	7	7	0	0	2
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	44	43	0	1	4
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	1948	685	838	425	45
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	111	67	44	0	6
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	95	51	44	0	1
		2356	855	943	558	74 (53) ¹

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Toxic Elements	Total Obs.	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
01095 ANTIMONY, DISSOLVED (UG/L AS SB)	6	6	0	0	5
01097 ANTIMONY, TOTAL (UG/L AS SB)	3	2	1	0	3
01000 ARSENIC, DISSOLVED (UG/L AS AS)	56	33	22	1	7
01001 ARSENIC, SUSPENDED (UG/L AS AS)	10	0	10	0	1
01002 ARSENIC, TOTAL (UG/L AS AS)	210	47	114	49	33
01010 BERYLLIUM, DISSOLVED (UG/L AS BE)	38	29	9	0	3
01012 BERYLLIUM, TOTAL (UG/L AS BE)	29	22	7	0	17
01025 CADMIUM, DISSOLVED (UG/L AS CD)	56	33	22	1	7
01026 CADMIUM, SUSPENDED (UG/L AS CD)	9	0	9	0	1
01027 CADMIUM, TOTAL (UG/L AS CD)	263	63	128	72	38
01030 CHROMIUM, DISSOLVED (UG/L AS CR)	55	33	22	0	6
01031 CHROMIUM, SUSPENDED (UG/L AS CR)	7	0	7	0	1
01034 CHROMIUM, TOTAL (UG/L AS CR)	336	63	128	145	39
01040 COPPER, DISSOLVED (UG/L AS CU)	56	33	22	1	7
01041 COPPER, SUSPENDED (UG/L AS CU)	12	0	12	0	1
01042 COPPER, TOTAL (UG/L AS CU)	327	63	121	143	38
01049 LEAD, DISSOLVED (UG/L AS PB)	56	33	22	1	7
01050 LEAD, SUSPENDED (UG/L AS PB)	10	0	10	0	1
01051 LEAD, TOTAL (UG/L AS PB)	306	63	128	115	38
71890 MERCURY, DISSOLVED (UG/L AS HG)	54	32	22	0	6
71895 MERCURY, SUSPENDED (UG/L AS HG)	5	0	5	0	1
71900 MERCURY, TOTAL (UG/L AS HG)	321	58	128	135	38
01065 NICKEL, DISSOLVED (UG/L AS NI)	171	38	101	32	27
01066 NICKEL, SUSPENDED (UG/L AS NI)	9	0	9	0	1
01067 NICKEL, TOTAL (UG/L AS NI)	103	61	42	0	26
01145 SELENIUM, DISSOLVED (UG/L AS SE)	60	38	22	0	6
01146 SELENIUM, SUSPENDED (UG/L AS SE)	8	0	8	0	1
01147 SELENIUM, TOTAL (UG/L AS SE)	53	34	19	0	20
01075 SILVER, DISSOLVED (UG/L AS AG)	59	37	22	0	5
01076 SILVER, SUSPENDED (UG/L AS AG)	8	0	8	0	1
01077 SILVER, TOTAL (UG/L AS AG)	17	2	15	0	4
01057 THALLIUM, DISSOLVED (UG/L AS TL)	5	5	0	0	5
01059 THALLIUM, TOTAL (UG/L AS TL)	27	20	7	0	17
01090 ZINC, DISSOLVED (UG/L AS ZN)	56	33	22	1	7
01091 ZINC, SUSPENDED (UG/L ZN)	10	0	10	0	1
01092 ZINC, TOTAL (UG/L AS ZN)	397	63	147	187	38
34675 2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1	0	1	0	1
34210 ACRYLIC ACROLEIN, TOTAL (UG/L)	1	0	1	0	1
34215 ACRYLONITRILE, TOTAL (UG/L)	1	0	1	0	1
34030 BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	1	0	1	0	1
32104 BROMOFORM, WHOLE WATER, (UG/L)	1	0	1	0	1
32102 CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	1	0	1	0	1
34301 CHLOROBENZENE, TOTAL (UG/L)	1	0	1	0	1
32105 DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	1	0	1	0	1
34311 CHLOROETHANE, TOTAL (UG/L)	1	0	1	0	1
34576 2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	1	0	1	0	1
32106 CHLOROFORM, WHOLE WATER (UG/L)	1	0	1	0	1
32101 BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	1	0	1	0	1
34496 1,1-DICHLOROETHANE, TOTAL (UG/L)	1	0	1	0	1
32103 1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	1	0	1	0	1
34501 1,1-DICHLOROETHYLENE, TOTAL (UG/L)	1	0	1	0	1
34541 1,2-DICHLOROPROPANE, TOTAL (UG/L)	1	0	1	0	1
34561 1,3-DICHLOROPROPENE, TOTAL (UG/L)	1	0	1	0	1
34371 ETHYLBENZENE, TOTAL (UG/L)	1	0	1	0	1
34413 METHYL BROMIDE, TOTAL (UG/L)	1	0	1	0	1

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Toxic Elements - Continued ...	Total Obs.	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
34418 METHYL CHLORIDE, TOTAL (UG/L)	1	0	1	0	1
34423 METHYLENE CHLORIDE, TOTAL (UG/L)	1	0	1	0	1
34506 1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	1	0	1	0	1
34475 TETRACHLOROETHYLENE, TOTAL (UG/L)	1	0	1	0	1
34010 TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	1	0	1	0	1
34546 TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	1	0	1	0	1
34516 1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	1	0	1	0	1
34511 1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	1	0	1	0	1
39180 TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
39175 VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
34586 2-CHLOROPHENOL, TOTAL (UG/L)	1	0	1	0	1
34601 2,4-DICHLOROPHENOL, TOTAL (UG/L)	1	0	1	0	1
34606 2,4-DIMETHYLPHENOL, TOTAL (UG/L)	1	0	1	0	1
34657 DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	1	0	1	0	1
34616 2,4-DINITROPHENOL, TOTAL (UG/L)	1	0	1	0	1
34591 2-NITROPHENOL, TOTAL (UG/L)	1	0	1	0	1
34646 4-NITROPHENOL, TOTAL (UG/L)	1	0	1	0	1
34452 PARACHLOROMETACRESOL, TOTAL (UG/L)	1	0	1	0	1
39032 PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	45	23	22	0	15
34694 PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	1	0	1	0	1
34621 2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	1	0	1	0	1
34205 ACENAPHTHENE, TOTAL (UG/L)	1	0	1	0	1
34200 ACENAPHTHYLENE, TOTAL (UG/L)	1	0	1	0	1
34220 ANTHRACENE, TOTAL (UG/L)	1	0	1	0	1
39120 BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
34526 BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	1	0	1	0	1
34247 BENZO-A-PYRENE, TOTAL (UG/L)	1	0	1	0	1
34230 BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	1	0	1	0	1
34521 BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	1	0	1	0	1
34242 BENZO(K)FLUORANTHENE, TOTAL (UG/L)	1	0	1	0	1
34278 BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	1	0	1	0	1
34273 BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	1	0	1	0	1
39100 BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	1	0	1	0	1
34636 4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	1	0	1	0	1
34292 N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	1	0	1	0	1
34581 2-CHLORONAPHTHALENE, TOTAL (UG/L)	1	0	1	0	1
34641 4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	1	0	1	0	1
34320 CHRYSENE, TOTAL (UG/L)	1	0	1	0	1
34556 1,2,5,6-DIBENZANTHRACENE, TOTAL (UG/L)	1	0	1	0	1
34536 1,2-DICHLOROBENZENE, TOTAL (UG/L)	1	0	1	0	1
34566 1,3-DICHLOROBENZENE, TOTAL (UG/L)	1	0	1	0	1
34571 1,4-DICHLOROBENZENE, TOTAL (UG/L)	1	0	1	0	1
34631 3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	1	0	1	0	1
34336 DIETHYL PHTHALATE, TOTAL (UG/L)	1	0	1	0	1
34341 DIMETHYL PHTHALATE, TOTAL (UG/L)	1	0	1	0	1
39110 DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	1	0	1	0	1
34611 2,4-DINITROTOLUENE, TOTAL (UG/L)	1	0	1	0	1
34626 2,6-DINITROTOLUENE, TOTAL (UG/L)	1	0	1	0	1
34596 DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	1	0	1	0	1
34346 1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	1	0	1	0	1
34376 FLUORANTHENE, TOTAL (UG/L)	1	0	1	0	1
34381 FLUORENE, TOTAL (UG/L)	1	0	1	0	1
39700 HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	22	0	22	0	7
39702 HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	1	0	1	0	1
34386 HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	1	0	1	0	1

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Toxic Elements - Continued ...	Total Obs.	01/01/85 to 12/17/98	01/01/75 to 12/31/84	Before 01/01/75	Total Stations
34396 HEXACHLOROETHANE, TOTAL (UG/L)	1	0	1	0	1
34403 INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	1	0	1	0	1
34408 ISOPHORONE, TOTAL (UG/L)	1	0	1	0	1
34696 NAPHTHALENE, TOTAL (UG/L)	1	0	1	0	1
34447 NITROBENZENE, TOTAL (UG/L)	1	0	1	0	1
34438 N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	1	0	1	0	1
34428 N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	1	0	1	0	1
34433 N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	1	0	1	0	1
34461 PHENANTHRENE, TOTAL (UG/L)	1	0	1	0	1
34469 PYRENE, TOTAL (UG/L)	1	0	1	0	1
34551 1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	1	0	1	0	1
39330 ALDRIN IN WHOLE WATER SAMPLE (UG/L)	62	23	39	0	15
39337 ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	24	23	1	0	15
39338 BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	24	23	1	0	15
39340 GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	24	23	1	0	15
39782 LINDANE IN WHOLE WATER SAMPLE (UG/L)	1	0	0	1	1
34259 DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	24	23	1	0	15
39350 CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	25	3	22	0	10
39300 P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	45	23	22	0	15
39320 P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	45	23	22	0	15
39365 DDE IN WHOLE WATER SAMPLE (UG/L)	2	0	0	2	2
39310 P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	45	23	22	0	15
39380 DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	46	23	22	1	16
34361 ENDOSULFAN, ALPHA, TOTAL (UG/L)	24	23	1	0	15
34356 ENDOSULFAN, BETA, TOTAL (UG/L)	24	23	1	0	15
34351 ENDOSULFAN SULFATE, TOTAL (UG/L)	24	23	1	0	15
39390 ENDRIN IN WHOLE WATER SAMPLE (UG/L)	46	23	22	1	16
39410 HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	24	23	1	0	15
39420 HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	24	23	1	0	15
39496 PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	24	23	1	0	15
39504 PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	4	3	1	0	4
39488 PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	24	23	1	0	15
39492 PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	24	23	1	0	15
39500 PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	24	23	1	0	15
39508 PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	24	23	1	0	15
34671 PCB - 1016, TOTAL (UG/L)	24	23	1	0	15
39400 TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	24	23	1	0	15
	4063	1479	1696	888	911 (42) ¹

¹Since a station can have data for more than one of the parameters in the parameter group, the number in the parenthesis is the number of unique stations having data for this parameter group.

NPS Servicewide Inventory and Monitoring Program Level I
Water Quality Parameter Inventory Data Evaluation and Analysis:
Park Summary: Level I Group Currentness and Distribution

Parameter Group	Total Obs.	Obs. Since 1985	% Obs. Since 1985	Stations Measuring This Group	% of Total Stations Measuring This Group	Obs. Per Station Measuring This Group	Period of Record For This Group	Observations Per Year of Period of Record
Alkalinity	1874	1072	57.2	49	55.7	38.2	10/04/67-12/17/98	60.1
pH	5250	3388	64.5	81	92.0	64.8	10/04/67-12/17/98	168.2
Conductivity	4307	3666	85.1	65	73.9	66.3	10/04/67-12/17/98	138.0
Dissolved Oxygen	3655	2117	57.9	71	80.7	51.5	07/01/68-12/17/98	120.0
Water Temperature	3878	2134	55.0	69	78.4	56.2	10/04/67-12/17/98	124.3
Flow	1357	836	61.6	31	35.2	43.8	10/04/67-12/10/98	43.5
Clarity/Turbidity	3668	2988	81.5	49	55.7	74.9	10/08/68-12/17/98	121.5
Nitrate/Nitrogen	10545	5743	54.5	61	69.3	172.9	10/04/67-12/17/98	337.9
Phosphate/Phosphorus	8286	5101	61.6	71	80.7	116.7	10/04/67-12/17/98	265.5
Chlorophyll	4	4	100.0	1	1.1	4.0	10/07/98-10/07/98	4.0 ¹
Sulfates/Total Dissolved Solids/Hardness	2917	1738	59.6	53	60.2	55.0	10/04/67-12/17/98	93.5
Bacteria	2356	855	36.3	53	60.2	44.5	07/01/68-12/17/98	77.3
Toxic Elements	4063	1479	36.4	42	47.7	96.7	03/18/70-12/17/98	141.3

¹Period of record for this parameter group was less than one year. Value shown is the total observations.

Water Quality Observations
Outside STORET Edit Criteria for FRSP

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter	Date	Time	Parameter Value	Agency	STORET Station ID	Disposition
FRSP0001	32230 CHLOROPHYLL A (MG/L)	700729	1300	1.5000000	1113RAWQ	RAPPAHAN R03	X
FRSP0001	32230 CHLOROPHYLL A (MG/L)	700828	1340	31.5000000	1113RAWQ	RAPPAHAN R03	X
FRSP0007	32230 CHLOROPHYLL A (MG/L)	700729	1330	7.5000000	1113RAWQ	RAPPAHAN R2A	X
FRSP0007	32230 CHLOROPHYLL A (MG/L)	700828	1355	42.8000000	1113RAWQ	RAPPAHAN R2A	X
FRSP0010	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820623	1545	-21.5000000	21VASWCB	3-RPP104.47	X
FRSP0010	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820706	1453	-25.3000000	21VASWCB	3-RPP104.47	X
FRSP0010	00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	880816	1130	0.1000000	21VASWCB	3-RPP104.47	X
FRSP0010	00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	880816	1130	0.1000000	21VASWCB	3-RPP104.47	X
FRSP0011	32230 CHLOROPHYLL A (MG/L)	700729	1410	7.5000000	1113RAWQ	RAPPAHAN R02	X
FRSP0011	32230 CHLOROPHYLL A (MG/L)	700828	1400	45.8000000	1113RAWQ	RAPPAHAN R02	X
FRSP0013	00927 MAGNESIUM, TOTAL (MG/L AS MG)	930217	1121	1900.0000000	21VASWCB	3-MAP002.61	X
FRSP0016	32230 CHLOROPHYLL A (MG/L)	700828	1415	10.5000000	1113RAWQ	RAPPAHAN R1A	X
FRSP0017	00927 MAGNESIUM, TOTAL (MG/L AS MG)	900417	1305	6900.0000000	21VASWCB	3-XCJ000.19	X
FRSP0017	01007 BARIUM, TOTAL (UG/L AS BA)	900417	1305	8800.0000000	21VASWCB	3-XCJ000.19	X
FRSP0019	00927 MAGNESIUM, TOTAL (MG/L AS MG)	900417	1325	7700.0000000	21VASWCB	3-XCJ000.04	X
FRSP0019	01007 BARIUM, TOTAL (UG/L AS BA)	900417	1325	7000.0000000	21VASWCB	3-XCJ000.04	X
FRSP0019	01007 BARIUM, TOTAL (UG/L AS BA)	910226	1100	15000.0000000	21VASWCB	3-XCJ000.04	X
FRSP0022	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820429	1045	-12.6000000	21VASWCB	3-CLB000.50	X
FRSP0022	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820525	0945	-17.9000000	21VASWCB	3-CLB000.50	X
FRSP0022	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820629	0915	-22.5000000	21VASWCB	3-CLB000.50	X
FRSP0022	00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	861008	0935	5.5000000	21VASWCB	3-CLB000.50	X
FRSP0022	00927 MAGNESIUM, TOTAL (MG/L AS MG)	930217	0915	3160.0000000	21VASWCB	3-CLB000.50	X
FRSP0022	50060 CHLORINE, TOTAL RESIDUAL (MG/L)	820629	0915	80.0000000	21VASWCB	3-CLB000.50	X
FRSP0025	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820322	0915	-5.7000000	21VASWCB	3-CLB003.96	X
FRSP0025	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820429	1010	-10.3000000	21VASWCB	3-CLB003.96	X
FRSP0025	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820524	0920	-16.3000000	21VASWCB	3-CLB003.96	X
FRSP0025	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820629	0955	-22.0000000	21VASWCB	3-CLB003.96	X
FRSP0026	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820623	1620	-22.0000000	21VASWCB	3-RPP111.29	X
FRSP0026	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820623	1620	-22.0000000	21VASWCB	3-RPP111.29	X
FRSP0026	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820706	1523	-24.3000000	21VASWCB	3-RPP111.29	X
FRSP0026	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820706	1523	-24.3000000	21VASWCB	3-RPP111.29	X
FRSP0026	00094 SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	790725	1510	0.0000000	21VASWCB	3-RPP111.29	X
FRSP0027	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820414	0945	-9.5000000	21VASWCB	3-HAL000.57	X
FRSP0027	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	820527	1540	-20.0000000	21VASWCB	3-HAL000.57	X
FRSP0027	00300 OXYGEN, DISSOLVED MG/L	810930	1630	89.5000000	21VASWCB	3-HAL000.57	X
FRSP0027	00615 NITRITE NITROGEN, TOTAL (MG/L AS N)	830726	1443	5.6000000	21VASWCB	3-HAL000.57	X
FRSP0027	00665 PHOSPHORUS, TOTAL (MG/L AS P)	820923	1120	11.8000000	21VASWCB	3-HAL000.57	X
FRSP0027	00927 MAGNESIUM, TOTAL (MG/L AS MG)	910815	1345	4900.0000000	21VASWCB	3-HAL000.57	X
FRSP0027	00927 MAGNESIUM, TOTAL (MG/L AS MG)	930217	1140	2560.0000000	21VASWCB	3-HAL000.57	X
FRSP0033	00010 TEMPERATURE, WATER (DEGREES CENTIGRADE)	920309	1000	110.0000000	21VASWCB	3-RPP110.57	X
FRSP0033	00680 CARBON, TOTAL ORGANIC (MG/L AS C)	921105	1000	106.0000000	21VASWCB	3-RPP110.57	X

Water Quality Observations
Outside STORET Edit Criteria for FRSP

(Disposition: X = Discarded, Blank = Retained)

NPS Station ID	Parameter	Date	Time	Parameter Value	Agency	STORET Station ID	Disposition	
FRSP0043	00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	940324	0900	0.0000000	21VASWCB	3-ENG001.10	X
FRSP0043	00403	PH, LAB, STANDARD UNITS SU	940324	0900	0.0000000	21VASWCB	3-ENG001.10	X
FRSP0043	00927	MAGNESIUM, TOTAL (MG/L AS MG)	840306	1330	1100.0000000	21VASWCB	3-ENG001.10	X
FRSP0045	00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	900514	1230	70.0000000	112WRD	01668000	X
FRSP0045	00680	CARBON, TOTAL ORGANIC (MG/L AS C)	921105	1000	106.0000000	112WRD	01668000	
FRSP0080	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	820525	1030	-18.2000000	21VASWCB	3-RAP006.53	X
FRSP0080	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	820629	1040	-25.0000000	21VASWCB	3-RAP006.53	X
FRSP0080	00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	851107	1025	72.0000000	21VASWCB	3-RAP006.53	X
FRSP0080	00915	CALCIUM, DISSOLVED (MG/L AS CA)	980521	1444	5050.0000000	21VASWCB	3-RAP006.53	X
FRSP0080	00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	980521	1444	1690.0000000	21VASWCB	3-RAP006.53	X
FRSP0104	32230	CHLOROPHYLL A (MG/L)	700326	1140	63.8000000	11121TWQ	POT-CONS-019C	X
FRSP0104	32230	CHLOROPHYLL A (MG/L)	700508	1400	32.3000000	11121TWQ	POT-CONS-019C	X
FRSP0104	32230	CHLOROPHYLL A (MG/L)	700521	1500	33.0000000	11121TWQ	POT-CONS-019C	X
FRSP0104	32230	CHLOROPHYLL A (MG/L)	700603	1418	48.8000000	11121TWQ	POT-CONS-019C	X
FRSP0104	32230	CHLOROPHYLL A (MG/L)	700707	1140	52.5000000	11121TWQ	POT-CONS-019C	X
FRSP0104	32230	CHLOROPHYLL A (MG/L)	700714	1038	22.5000000	11121TWQ	POT-CONS-019C	X
FRSP0104	32230	CHLOROPHYLL A (MG/L)	700728	1100	30.0000000	11121TWQ	POT-CONS-019C	X
FRSP0104	32230	CHLOROPHYLL A (MG/L)	700820	1110	22.5000000	11121TWQ	POT-CONS-019C	X
FRSP0104	32230	CHLOROPHYLL A (MG/L)	701021	1130	24.0000000	11121TWQ	POT-CONS-019C	X
FRSP0104	32230	CHLOROPHYLL A (MG/L)	701119	1020	6.8000000	11121TWQ	POT-CONS-019C	X
FRSP0104	32230	CHLOROPHYLL A (MG/L)	710113	1150	57.0000000	11121TWQ	POT-CONS-019C	X
FRSP0107	00927	MAGNESIUM, TOTAL (MG/L AS MG)	930302	1130	1810.0000000	21VASWCB	3-MIR004.05	X
FRSP0112	00927	MAGNESIUM, TOTAL (MG/L AS MG)	930302	1145	2670.0000000	21VASWCB	3-MTR003.51	X

APPENDICES

Appendix A
Computer Files Transmitted With
Park Baseline Water Quality Data Inventory and Analysis

Computer disk(s) accompanying this report include up to seven (depending on the presence or absence of certain data elements) compressed (ZIP) files containing digital copies of nearly all the tables, figures, and other materials used to produce this report. To decompress these files, you must use the commonly available shareware program PKUNZIP. The command to type at the DOS prompt is:

PKUNZIP -E COMPRESS.ZIP FILENAME.EXT

where COMPRESS.ZIP is the name of one of the seven compressed (ZIP) files listed below and FILENAME.EXT is the name of the file you wish to extract. If you want to decompress all of the files in COMPRESS.ZIP, simply omit the FILENAME.EXT. To obtain a listing of all the files compressed into a particular ZIP file, type the following:

PKUNZIP -V COMPRESS.ZIP |MORE

where COMPRESS.ZIP is the name of one of the seven compressed ZIP files listed below. If a ZIP file spans multiple disks, use the last disk of the series (span) when obtaining a listing of all the files compressed into a particular ZIP file. Once you see the file you wish to obtain, substitute this file name for FILENAME.EXT in the first command line above to extract and decompress this particular file.

Included on one of the disk(s) accompanying this report is a program named PRINTZIP. This program will decompress ZIP files which don't span multiple disks and print certain files to a Hewlett-Packard (or compatible) Laser Printer. To use PRINTZIP, however, you must still have a copy of PKUNZIP in a directory listed in your path or in the same directory as the PRINTZIP program. PRINTZIP provides an easy, menu-driven interface for using PKUNZIP to decompress files and then send them to the printer. PRINTZIP allows you to send individual files, groups of files, or all files to the printer. PRINTZIP will not work with ZIP files that span multiple disks.

The following compressed (ZIP) files are included on the disk(s) accompanying this report:

(1) **FRSPTABS.ZIP**

This compressed file contains all the tables presented in the report. The files compressed into this file include:

- (a) FRSPSITE.DOC - Descriptive listing of select fields from the industrial facilities discharges, drinking water intakes, and EPA-USGS stream gages databases.
- (b) FRSPAGNC.DOC - Contacts for agencies whose data were retrieved within the study area.
- (c) FRSPAGNQ.DOC - Number of stations, observations, and parameters retrieved by agency code within the study area and park.

- (d) FRSPOV0.DOC - Overview of park and retrieved data.
- (e) FRSPOV1.DOC - Station period of record table.
- (f) FRSPOV2.DOC - Parameter period of record table.
- (g) FRSPOV3.DOC - Station/parameter period of record table.
- (h) FRSPINV.DOC - Station by station descriptive statistics over the entire period of record and comparison against EPA Water Quality Criteria for each station.
- (i) FRSPSEAN.DOC - Seasonal and annual water quality descriptive statistics at stations with water quality data meeting the default seasonal and annual criteria.
- (j) FRSPPEPAS.DOC - EPA Water Quality Criteria comparison for data at all stations combined within the study area.
- (k) FRSPIDEA.DOC - Comparison of downloaded STORET data with NPS Servicewide Inventory and Monitoring Program "Level I" water quality parameters.
- (l) FRSPBAD.DOC - Water quality observation values that were outside the range of one of 190 STORET edit criteria and were either discarded or retained.

All these compressed document files are in ASCII format and contain printer codes appropriate to Hewlett-Packard (or compatible) Laser Printers. While at the DOS prompt, any of these document files may be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the PRINT command. For example, if the document FRSPOV1.DOC is in the subdirectory C:\WATER, you could type: PRINT C:\WATER\FRSPOV1.DOC. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). Alternatively, you can use the PRINTZIP program to decompress and print any of these files provided the ZIP file doesn't span multiple disks. These ASCII files can also be imported into word-processed documents, but the printer codes will then have to be removed.

(2) FRSPFIGS.ZIP

This compressed file contains graphics files for all the statistical figures (time series plots; annual box and whiskers plots; seasonal box and whiskers plots) in the report in two different formats: Computer Graphic Metafile (CGM) and Hewlett-Packard Printer Control Language (PCL). The files are named with the last three digits of the Station Name followed by the five digit STORET code. The file name extension begins with either a 1 (time series), 2 (annual), or 3 (seasonal) and then either GM for CGM or CL for PCL. For example, 00100300.2GM would denote the file contains an annual box and whiskers plot in CGM format for parameter 00300 (dissolved oxygen) at station FRSP001. While at the DOS prompt, any PCL file can be printed directly to a Hewlett-Packard (or compatible) Laser Printer by using the COPY command. For example, if the graphic 00100300.2CL (an annual box and whiskers plot of parameter 00300, dissolved oxygen, at station FRSP001) is in the subdirectory C:\WATER, you would type: COPY C:\WATER\00100300.2CL LPT1: /B. This will print the file to your local or networked Hewlett-Packard (or compatible) Laser Printer attached to parallel port one (LPT1:). The /B is necessary because the PCL file is in a binary format. Alternatively, you can use the PRINTZIP program to decompress and print any of the PCL files provided the ZIP file doesn't span multiple disks. The CGM files can be imported and/or edited in most graphics packages, including WordPerfect.

(3) [FRSPPARM.ZIP](#)

This file compresses FRSPPARM.DBF which contains all the actual values (raw data) of all the water quality data downloaded from STORET and summarized in the report. The detailed database structure for this file is contained in Appendix B.

(4) [FRSPSITE.ZIP](#)

This compressed file contains up to five geo-referenced, DBASE III+ compatible site (point location) files documenting the location in the study area of water quality monitoring stations, industrial facilities discharges, drinking water intakes, water gages, and water impoundments. These files include:

- (a) FRSPWQ.DBF
 - All water quality monitoring station locations within the project's study area downloaded from STORET.
- (b) FRSPIFD.DBF
 - All municipal and industrial facility discharges within the project's study area downloaded from the IFD database.
- (c) FRSPDRIN.DBF
 - All drinking water intakes within the project's study area downloaded from the DRINKS database.
- (d) FRSPGAGE.DBF
 - All water gages within the project's study area downloaded from the GAGES database.
- (e) FRSPDAMS.DBF
 - All water impoundments within the project's study area downloaded from the DAMS database.

The absence of any of these files indicates that none of the particular sites were found within the study area. Detailed database structures for each of these files are contained in Appendix B.

(5) [FRSPMISC.ZIP](#)

This compressed file contains a variety of graphic and document files that are contained in the report. They are grouped into this miscellaneous compressed (ZIP) file because they don't fit neatly into any of the other compressed files. The files contained in this compressed file include:

- (a) FRSPEXEC.DOC
 - WordPerfect Ver. 5.1 copy of the Executive Summary in the report.
- (b) FRSPTOC.DOC
 - WordPerfect Ver. 5.1 copy of the report's Table of Contents.
- (c) INTRO.DOC
 - WordPerfect Ver. 5.1 copy of all the text in the report from the Introduction through the Interpretive Guide to Water Quality Results.
- (d) APPENDIX.DOC
 - WordPerfect Ver. 5.1 copy of all the Appendices in the report.
- (e) FRSPREGI
 - PCL and CLP (Windows Clipboard) copies of map displaying the regional location of the park and study area.
- (f) FRSPWQ
 - PCL and CLP (Windows Clipboard) copies of park maps displaying water quality station locations within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (FRSPWQA, FRSPWQB, FRSPWQC, etc.) and the index map name will end with an ampersand (&).

- (g) FRSPIDG
 - PCL and CLP (Windows Clipboard) copies of park maps displaying locations of industrial facilities discharges, drinking water intakes, and stream gages within the park's study area. If, due to scaling and aesthetic concerns, multiple maps were needed, these files will have alphabetically ordered suffixes (FRSPIDGA, FRSPIDGB, FRSPIDGC, etc.) and the index map name will end with an ampersand (&). If no industrial facilities discharges, drinking water intakes, water gages, or water impoundments exist within the park's study area, these files will not be in the compressed (ZIP) file.

- (h) FRSPSEHY
 - PCL and CLP (Windows Clipboard) copies of the hydrographs or other materials used by WRD staff as the basis for a first attempt at a seasonal analysis of the park's water quality data.

Other materials may also be included in this miscellaneous compressed (ZIP) file as warranted by conditions at the park. As with FRSPFIGS.ZIP and FRSPTABS.ZIP, you can use the PRINTZIP program to print any of the PCL files in FRSPMISC.ZIP provided the ZIP file doesn't span multiple disks. You should not, however, use PRINTZIP to print the WordPerfect document files. The CLP (Windows Clipboard) files can be imported (pasted) and/or edited in most Windows-based word processors and graphics packages.

(6) FRSPRF3.ZIP

This compressed file contains the Environmental Protection Agency's River Reach File Ver. 3.0 provisional data for the USGS catalog unit(s) encompassing the study area. The attribute data exist in both ASCII and DBASE III+ format, while the geographic traces exist in ASCII format. This compressed file contains four files for each catalog unit that touches the study area. Catalog units are identified by unique 8-character numeric names which identify the region, subregion, accounting unit, and catalog unit. Examples (your 8-character numeric names will be different) of the file types included in this compressed file are:

- (a) 12345678.RF3
 - ASCII formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.

- (b) 12345678.DBF
 - DBASE III+ formatted attribute file from the River Reach File for all hydrographic traces within the catalog unit.

- (c) 12345678.TRC
 - ASCII formatted geographic file from the River Reach File containing digital, geo-referenced descriptions of all hydrographic traces within the catalog unit at a scale of 1:100,000 suitable for import into a geographic information system.

- (d) 12345678.CUB
 - ASCII formatted geographic file from the River Reach File containing a digital, geo-referenced description of the catalog unit boundary suitable for import into a geographic information system.

Detailed database structures for RF3-related files are contained in Appendix B.

(7) FRSPWQMW.ZIP

Between 2000 and 2002, all Baseline Water Quality Data Inventory and Analysis Reports were compiled or re-compiled in Microsoft Word 2000 (Ver. 9.0) format. This complete, digital version of the report will be made available through various means, including the Internet. Although the reports can be opened in Microsoft Word 1997 (Ver. 8.0), the time series and annual and seasonal box-plots may not be centered appropriately on a page due to discrepancies with how Word 2000 formats pictures and how Word 1997 formatted pictures. Consequently, Word 2000 is the recommended software for viewing the report. Prior to printing the report from Word, be sure to enable “Print Text as Graphics” or “Print True Type Font as Graphics” in the Printer Properties. This ensures a more faithful reproduction of the maps included in the Word document.

The Microsoft Word version of the Baseline Water Quality Data Inventory and Analysis Report may differ slightly from the original analog version. Reports issued during 1994-1996 didn't have as many “bells-and-whistles” as subsequent reports. In compiling digital Microsoft Word versions of these earlier reports, attempts were made to bring these 1994-1996 reports up to the current standard wherever feasible and practicable. Unfortunately, some changes were not feasible or practicable. For example, water quality criteria screens were added or modified over time when newer criteria became available. The digital Microsoft Word version of Appendix F presents the latest criteria screening parameters and values. Some of these parameters and/or values may not have been screened against in the EPA water quality criteria analyses for each station and the entire study area in the 1994-1996 analog versions of the report. Similarly, the Introduction, Methodology, and Interpretive Guide to Water Quality Results may mention certain features that aren't included in the 1994-1996 reports. Additionally, to prepare a Microsoft Word version of this report, data were processed through different versions of software than used originally. Consequently, some results presented in the Overview and Executive Summary may differ slightly from those presented in the analog report (eg. # of In Park and Longer Term Stations).

Appendix B

Water Quality Database File Structures

The following table provides the DBASE III+ database field structure for all the water quality parameter data downloaded from STORET. This data will allow parks or other interested parties to replicate the statistical analyses and graphics contained in this report; perform more sophisticated analyses; or to establish a baseline park water quality database.

<u>Parameter Data File: FRSPPARM.DBF in FRSPPARM.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
BEGDATE	9	14	6	Measurement Start Date [yyymmdd]
BEGTIME	15	18	4	Measurement Start Time [hhmm]
PARMCODE	19	23	5	STORET Parameter Code
PARMVALU	24	39	16.7	Parameter Value
REMARK	40	40	1	Parameter Remark Value
A=Value is Mean of 2 or More Determinations				
B=Results Based Upon Colony Counts Outside Acceptable Range				
C=Value Calculated				
D=Field Measurement				
E=Extra Sample Taken in Compositing Process				
F=Female Species				
G=Maximum of 2 or More Determinations				
H=Based on Field Kit Determination				
I=Value is Less Than Practical Quantitation Limit and Greater Than or Equal to the Method Detection Limit				
J=Estimated, Not the Result of Analytic Measurement				
K=Off-scale Low, Actual Value Not Known, But Known to be Less Than Value Shown				
L=Off-scale High, Actual Value Not Known, But Known to be Greater Than Value Shown				

Parameter Data File: FRSPPARM.DBF in FRSPPARM.ZIP				
Field Name	Start	Stop	Length	Field Description
				M=Presence Verified, But Not Quantified, Below Quantification Limit; For Species, Male; For Oxygen Reduction Potential, Indicates a Negative Value
				N=Presumptive Evidence of Presence
				O=Analysis Lost
				P=Too Numerous to Count
				Q=Exceeded Normal Holding Time
				R=Significant Rain in Last 48 Hours
				S=Laboratory test
				T=Less Than Detection Criteria
				U=Analyzed For But Not Detected, Value is Detection Limit For Process Used; If Species, Undetermined
				V=Analyte was Detected in Sample and Method Blank
				W=Less Than Lowest Value Reportable Under Remark "T"
				X=Quasi Vertically-Integrated Sample
				Y=Analysis of Unpreserved Sample
				Z=Too Many Colonies Were Present to Count (TNCC), Value Represents Filtration Value
				=\$=Calculated By Retrieval Software
MEDIA	41	46	6	Sample Media
DEPTH	47	55	9.3	Depth of Sample [in feet]
ENDDATE	56	61	6	Measurement End Date [yyymmdd] [all composite samples]
ENDTIME	62	65	4	Measurement End Time [hhmm] [all composite samples]
SAMPTYPE	66	69	4	Type of Sample ["sophisticated" composite samples]
				C=Continuous Collection
				G=Collection of Individual Grab Samples
				GNxx=xx is the Number of Individual Grab Samples
				B=N/A

Parameter Data File: FRSPPARM.DBF in FRSPPARM.ZIP				
Field Name	Start	Stop	Length	Field Description
COMPTYPE	70	70	1	Composite Value Type ["sophisticated" composite samples]
				A=Average
				H=Maximum
				L=Minimum
				N=Number of Observations
				#=Number of Observations
				S=Standard Deviation
				U=Sum of Squares
				V=Variance
				C=Coefficient of Error
				X=Coefficient of Variance
				E=Skewness
				F=Kurtosis
				Z=Number of Observations That Exceed an Established Limit
				%=Precision
				#=Accuracy
				B=N/A
				D=Indicates Replicate Sample
COMPST	71	71	1	Composite Space/Time Indicator
				S=Space
				T=Time
				B=Space and Time
				F=Flow Proportional
				1-9=Replicate Number

Note: DBASE III+ record lengths will be one greater than the last stop column displayed (71 here) because DBASE III+ reserves the first space/column of every record for a deletion flag. Hence, DBASE III+ will display a record length of 72 for this database.

The following table provides the DBASE III+ database field structure for all the water quality station locations downloaded from STORET. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Quality Station Data File: FRSPWQ.DBF in FRSPSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
NPSSTATID	1	8	8	NPS Station ID (NPS park code + 4 digit sequence number)
AGENCY	9	16	8	Agency Code of Station Owner
STORIDP	17	31	15	STORET Primary Station Code
STORIDS1	32	43	12	STORET First Secondary Station Code
STORIDS2	44	55	12	STORET Second Secondary Station Code
STORIDS3	56	65	10	STORET Third Secondary Station Code
LATITUDE	66	73	8	Station Latitude [degrees:minutes:seconds]
LONGITUDE	74	82	9	Station Longitude [degrees:minutes:seconds]
LAT	83	93	11.6	Station Latitude [decimal degrees, (-) below equator]
LON	94	104	11.6	Station Longitude [decimal degrees, (-) western hemisphere]
LLPREC	105	105	1	Latitude/Longitude Precision Code
RMI	106	329	224	River Mile Index
STATLOC	330	377	48	Station Location Description
CNTYCODE	378	382	5	FIPS State/County Code
STNAME	383	398	16	State Name
CNTYNAME	399	418	20	County Name
HYDUNIT	419	426	8	Hydrologic Unit Code (MAJ/MIN/SUB = Catalog Unit)
MAJBASN	427	450	24	Major Basin Name
MINBASN	451	490	40	Minor Basin Name
STATTYPE	491	550	60	Station Type
STORDATE	551	556	6	Date Station was Stored in STORET
RF1INDEX	557	567	11	RF1 Reach Number Location [2]
RF1MILE	568	575	8.3	Mile Point on RF1 Reach [2]
RF1LOC	576	578	3	Indicates the Location as ON or OFF RF1 Reach [2]
RF1DIST	579	584	6.2	Distance From RF1 Reach

<u>Water Quality Station Data File: FRSPWQ.DBF in FRSPSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
RF3INDEX	585	601	17	RF3 Reach Number Location [3]
RF3MILE	602	607	6.2	Mile point on RF3 Reach [3]
RF3LOC	608	610	3	Indicates the Location as ON or OFF RF3 Reach [2]
RF3DIST	611	616	6.2	Distance From RF3 Reach
DEPTH2O	617	620	4	Depth of Water at Station Location [in feet]
ELEV	621	625	5	Station Elevation
ECOREG	626	628	3	ECO Region
H2OBODY	629	678	50	Waterbody ID
AQUIFERS	679	718	40	Aquifer Description
STATDESC1	719	790	72	Station Sentence Description
STATDESC2	791	862	72	Station Sentence Description
STATDESC3	863	934	72	Station Sentence Description
STATDESC4	935	1006	72	Station Sentence Description
STATDESC5	1007	1078	72	Station Sentence Description
STATDESC6	1079	1150	72	Station Sentence Description
STATDESC7	1151	1222	72	Station Sentence Description
STATDESC8	1223	1294	72	Station Sentence Description
STATDESC9	1295	1366	72	Station Sentence Description
STATDESC10	1367	1438	72	Station Sentence Description
STATDESC11	1439	1510	72	Station Sentence Description
STATDESC12	1511	1582	72	Station Sentence Description
STATDESC13	1583	1654	72	Station Sentence Description
STATDESC14	1655	1726	72	Station Sentence Description
STATDESC15	1727	1798	72	Station Sentence Description
STATLOCKED	1799	1799	1	Station Locked (Logical) True/False

The following table provides the DBASE III+ database field structures for the EPA Industrial Facilities Discharge database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

<u>Industrial Facilities Discharges File: FRSPIFD.DBF in FRSPSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
SITEID	1	9	9	Site Identifier (NPDES Number)
LATITUDE	10	17	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	18	26	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	27	37	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	38	48	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	49	59	11	RF1 Reach Number Location
RF1MILE	60	65	6.2	Mile Point on RF1 Reach
RF1DIST	66	71	6.2	Distance From RF1 Reach
RF3INDEX	72	88	17	RF3 Reach Number Location
RF3MILE	89	94	6.2	Mile Point on RF3 Reach
RF3DIST	95	100	6.2	Distance From RF3 Reach
ADR	101	125	25	Address
BFL	126	132	7.2	Total Direct Combined C&P Flow (1000 GPD)
CCFLG	133	133	1	Coastal County Flag "Y"/"N"/"E"=Estuary
CC1	134	138	5	City Code #1 (EPA Code)
CFL	139	145	7.2	Total Direct Cooling Flow (1000 GPD)
CNC	146	148	3	County Code (FIPS)
CTY	149	168	20	City Name
CZIP	169	177	9	Canadian Zip Code
DNB	178	186	9	Dunn & Bradstreet Number
DNBFLG	187	187	1	Dunn & Bradstreet PCS Source Flag
EGF	188	202	15.4	Flow From Effluent Guidelines (1000 GPD)
EGS	203	208	6	Effluent Guidelines Subcategory
EXPDT	209	216	8	Expiration Date (mm/dd/yy)
E308SN	217	220	4	Effluent Guidelines Survey Number
FAC	221	229	9	SCS Facility Identifier (Cross-Reference)
FDS	230	232	3	Facility Data Source

<u>Industrial Facilities Discharges File: FRSPIFD.DBF in FRSPSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
FFL	233	239	7.2	Total Facility Flow (1000 GPD)
FHF	240	240	1	Fac. Hit Flag (Reach File) V=Versar Assumed
FLOTYP	241	243	3	I=Blow Down, R=Bottom Ash, S=Fly Ash
FLR	244	250	7.2	Flow Recvd-Industrial (1000 GPD) Permit Data
FRDS	251	259	9	FRDS ID# - XREF To Water Supply
FRW	260	289	30	Facility Receiving Water Name
FS1	290	293	4	Facility SIC Code (From PCS)
FS2	294	297	4	Facility SIC Code #1
FS3	298	301	4	Facility SIC Code #2
FS4	302	305	4	Facility SIC Code #3
FS5	306	309	4	Facility SIC Code #4
FUD	310	317	8	Facility Level Last Date Updated (mm/dd/yy)
IACC	318	318	1	Inactive/Active Indicator ("I" or "A")
ICAT	319	320	2	WQAB Industrial Category
ICAT2	321	322	2	WQAB Industrial Category 2
ICAT3	323	324	2	WQAB Industrial Category 3
IFL	325	331	7	Total Indirect Flow (1000 GPD)
IFT	332	332	1	Illinois Facility Type (A thru Z)
IG1	333	334	2	Facility Industrial Group #1
IG2	335	336	2	Facility Industrial Group #2
IJCN	337	346	10	Canadian Record Identifier
INACT	347	353	7	Inactive/Rescinded P-Based on Permit;A=Actual
INDCNT	354	357	4	Computed Number of Indirect Dischargers
LATLON	358	372	15	Polygon Retrieval Lat/Long.
MAJ	373	373	1	Major-Minor Flag (From PCS)
MAPID	374	377	4	Map Identifier
MJMN	378	381	4	Major/Minor Basin (EPA-STORET)
NAM	382	441	60	Facility Name
NDC	442	444	3	Number of Discharges (Pipes)

<u>Industrial Facilities Discharges File: FRSPIFD.DBF in FRSPSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
NDSFLO	445	451	7.2	NEEDS Flow (1000 GPD)
NDSIFLO	452	458	7.2	NEEDS Industrial Flow (1000 GPD)
NID	459	462	4	Number of Indirect Dischargers
NPC	463	463	1	NEEDS Pre-Treatment Code "Y"=Yes, "N"=No
NPS	464	464	1	NPDES Facility Source/Status
NSN	465	473	9	NEEDS Survey Number
NTC	474	474	1	NEEDS Treatment Code
OCP	475	480	6	Organic Chemical Producers ID Number
ODESCC	481	481	1	ODES Coastal County "Y"=Yes; "N"=No
OFL	482	488	7.2	Total Non-Direct Other Flow (1000 GPD)
OWN	489	491	3	Ownership Code
PFL	492	498	7.2	Total Direct Process Flow (1000 GPD)
REG	499	500	2	EPA Region
REGKEY	501	504	4	Region Key
RSLOFLO	505	511	7.2	Receiving Stream Low Flow
RSMNFLO	512	518	7.2	Receiving Stream Mean Flow
STA	519	520	2	State Postal Abbreviation
STAID	521	535	15	State Identifier
STC	536	537	2	State Code (FIPS)
STCITY	538	544	7	State/City Code
TFLOW	545	551	7.2	Type Flow (1000 GPD)
UFL	552	558	7.2	Total Direct Undefined Flow (1000 GPD)
XEGS	559	561	3	Effluent Guidelines Subcat Index
XKEY	562	562	1	"1","2","3","4","5","6","7","8","9"
XNME	563	565	3	GLP,DIR,F2C,ENF,CET,LAG,PPB,M85,M86
ZIP	566	570	5	Zip Code

The following table provides the DBASE III+ database field structures for drinking water intakes from the EPA DRINKS database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

<u>Drinking Water Intakes File: FRSPDRIN.DBF in FRSPSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (Degrees:Minutes:Seconds)
LONGITUDE	29	37	9	Facility Longitude (Degrees:Minutes:Seconds)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
AQCD	112	115	4	Aquifer Code
ASC	116	138	23	STORET Agency/Station Code
AVGD	139	142	4	Average Depth
BUY	143	143	1	Purchase Code
CC1	144	148	5	City Code #1 (EPA Code)
CNC	149	151	3	County Code (FIPS)
CNME	152	166	15	Contact Name
CNN	167	186	20	County Name
CTITLE	187	201	15	Contact Title
CTY	202	221	20	City Name
DUD	222	229	8	Date of Update
FRDS	230	238	9	FRDS ID# - Cross-Reference
GEOAG	239	258	20	Geologic Age
GEOCDE	259	261	3	Geologic Age Code
IDAT	262	269	8	Date (mm/dd/yy)

Drinking Water Intakes File: FRSPDRIN.DBF in FRSPSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
INTAKET	270	270	1	Type Source G/S/B
INTRVWR	271	285	15	Interviewer
MAXD	286	289	4	Maximum Depth
MILES	290	296	7.2	Miles
MIND	297	300	4	Minimum Depth
NAME	301	320	20	Name
NPD	321	329	9	NPDES# XREF to IFD Database
NWLS	330	332	3	Number of Wells
OWN	333	335	3	Ownership
PAVGF	336	342	7.2	Production Avg. Daily (Gal/Day)
PCTSUP	343	345	3	%Surface / %Ground
PHONE	346	355	10	Telephone Number
PMAXF	356	362	7.2	Production Max. Daily (Gal/Day)
POPSV	363	371	9	Population Served
REG	372	373	2	EPA Region
SHLAT	374	379	6	Sitehelp Latitude (DDMMSS)
SHLNG	380	386	7	Sitehelp Longitude (DDDDMMSS)
SHMILES	387	393	7.2	Sitehelp Miles
SHNME	394	403	10	Sitehelp Source Name
SHPCT	404	410	7.2	Sitehelp Percent of Reach Miles
SRC	411	413	3	Sitehelp Source Code
STA	414	415	2	State Abbreviation
STC	416	417	2	State Code (FIPS)
TUF	418	424	7.2	Total Utility Flow
TYP CDE	425	425	1	Type Code
UHF	426	426	1	Utility Hit Flag (Reach File)
VCDE	427	427	1	Versar Code='V'=>25K; '*'=<25K POPSVD
WFPC	428	428	1	Wellfield Precision Code
WFTYP	429	429	1	Well Type (Cassing,Artesian,Infiltration,etc.)

<u>Drinking Water Intakes File: FRSPDRIN.DBF in FRSPSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
WUN	430	449	20	Water Utility Name

The following table provides the DBASE III+ database field structures for the Water Gage database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

<u>Water Gage File: FRSPGAGE.DBF in FRSPSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
SITEID	1	20	20	Site Identifier
LATITUDE	21	28	8	Facility Latitude (DDMMSS)
LONGITUDE	29	37	9	Facility Longitude (DDDDMMSS)
LAT	38	48	11.6	Facility Latitude (decimal degrees, (-) below equator)
LON	49	59	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
RF1INDEX	60	70	11	RF1 Reach Number Location
RF1MILE	71	76	6.2	Mile Point on RF1 Reach
RF1DIST	77	82	6.2	Distance From RF1 Reach
RF3INDEX	83	99	17	RF3 Reach Number Location
RF3MILE	100	105	6.2	Mile Point on RF3 Reach
RF3DIST	106	111	6.2	Distance From RF3 Reach
JAN	112	118	7.2	Monthly Flow - January
FEB	119	125	7.2	Monthly Flow - February
MAR	126	132	7.2	Monthly Flow - March
APR	133	139	7.2	Monthly Flow - April
MAY	140	146	7.2	Monthly Flow - May
JUN	147	153	7.2	Monthly Flow - June
JUL	154	160	7.2	Monthly Flow - July
AUG	161	167	7.2	Monthly Flow - August
SEP	168	174	7.2	Monthly Flow - September
OCT	175	181	7.2	Monthly Flow - October
NOV	182	188	7.2	Monthly Flow - November
DEC	189	195	7.2	Monthly Flow - December
RGN	196	197	2	Region Code
AREA	198	204	7.2	Drainage Area (SQ.MI.)
DUD	205	212	8	Date of Update

<u>Water Gage File: FRSPGAGE.DBF in FRSPSITE.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
FBCF	213	213	1	Flag - Basic Characteristic File ('Y')
FDFF	214	214	1	Flag - Daily Flows File ('Y')
FQMINV	215	224	10	IHS Pt. Files Index
GHF	225	225	1	Hit Flag (Reach File)
ICDE	226	226	1	Integrity Code
LFVEL	227	233	7.2	Low Flow Velocity
METHOD	234	236	3	Calculation Method Code
MFVEL	237	243	7.2	Mean Flow Velocity
MNFLO	244	250	7.2	USGS Mean Annual Flow
NME	251	298	48	Station Name
SHLAT	299	304	6	Sitehelp Latitude (DDMMSS)
SHLNG	305	311	7	Sitehelp Longitude (DDDDMMSS)
SHMILES	312	318	7.2	Sitehelp Miles
SHNME	319	328	10	Sitehelp Source Name
SHPCT	329	335	7.2	Sitehelp Percent of Reach Miles
SITE	336	337	2	Site Location
SRC	338	340	3	Sitehelp Source Code
STCTY	341	345	5	State/County Numeric Code
SVTEN	346	352	7.2	USGS 7-10 Year Flow
BEG_WYR	353	356	4	Beginning Water Year
END_WYR	357	359	4	Ending Water Year
ELEV	361	368	8.2	Elevation (Feet)
WELL_DP	369	376	8.2	Well Depth (Feet)

The following table provides the DBASE III+ database field structures for the Water Impoundment database. As this file is geo-referenced, it should import easily into the park's Geographic Information System.

Water Impoundment File: FRSPDAMS.DBF in FRSPSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
SITEID	1	7	7	Site Identifier
SOURCE	8	10	3	Source of Data
ST1	11	12	2	Primary State Code Abbreviation
STCTY1	13	17	5	State/County Numeric Code
NAME	18	47	30	Official Name of Dam
LATITUDE	48	53	6	Facility Latitude (DDMMSS)
LONGITUDE	54	60	7	Facility Longitude (DDMMSS)
LAT	61	70	10.6	Facility Latitude (decimal degrees, (-) below equator)
LON	71	81	11.6	Facility Longitude (decimal degrees, (-) west. hem.)
INME	82	111	30	Impoundment Name
RNME	112	139	28	River, Stream, or Tributary Name on Which Dam Built
CUSEGMI	140	149	10	Catalog Unit, Segment, and Segment Length
REGN	150	151	2	Water Resources Council Region Code
RGBSN	152	155	4	Water Resources Region/Basin Code
CU	156	163	8	Catalog Unit
SEG	164	166	3	Reach Segment of Dam
SEGL	167	171	5.2	Reach Segment Length
PURP	172	172	1	Major Purpose of Dam
I=Irrigation				
H=Hydroelectric				
N=Navigation				
S=Water Supply				
R=Recreation				
P=Stock/Farm Pond				
D=Debris Control				
F=Flood Control				

Water Impoundment File: FRSPDAMS.DBF in FRSPSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
				O=Other
FRF3	173	189	17	RF3 Reach Number Location
FRF3MI	190	194	5	Mile Point on RF3 Reach
PURKEY	195	195	1	Purpose Key
PUR2	196	196	1	Purpose of Dam 2 (See Above)
PUR3	197	197	1	Purpose of Dam 3 (See Above)
PUR4	198	198	1	Purpose of Dam 4 (See Above)
PUR5	199	199	1	Purpose of Dam 5 (See Above)
PUR6	200	200	1	Purpose of Dam 6 (See Above)
PUR7	201	201	1	Purpose of Dam 7 (See Above)
PUR8	202	202	1	Purpose of Dam 8 (See Above)
PUR9	203	203	1	Purpose of Dam 9 (See Above)
PUR10	204	204	1	Purpose of Dam 10 (See Above)
TYPDAM	205	206	2	Major Dam Portion Type
				RE=Earth
				VA=Vaulted Arch
				CD=Buttress
				PG=Gravity
				ER=Rockfill
				MV=Multi-Arch
				OT=Other
YRCMP	207	210	4	Year Dam Completed
SHGT	211	214	4	Structural Height (Feet)
HHGT	215	218	4	Hydraulic Height (Feet)
VNORM	219	236	8	Normal Storage of Impoundment (Acre-Feet)
VMAX	227	234	8	Maximum Storage of Impoundment (Acre-Feet)
LCRST	235	239	5	Crest Length of Dam (Feet)
TSPL	240	240	1	Spillway Type
				C=Controlled

Water Impoundment File: FRSPDAMS.DBF in FRSPSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
				U=Uncontrolled
				N=None
				X=Unknown
WSPL	241	244	4	Dam Spillway Width (Feet)
QMAX	245	251	7	Maximum Spillway Discharge (CFS)
PINS	252	258	7.2	Quantity of Installed Power (Megawatts)
PPRO	259	265	7.2	Quantity of Proposed Power (Megawatts)
LOCK	266	266	1	Number of Navigational Locks
OWNR	267	290	24	Name of Impoundment Owner
PFOWN	291	291	1	Ownership Code
				N=Non-Federal
				G=Federal Government Agency
				C=Corps of Engineers
				X=Unknown
FEDR	292	292	1	Federally Regulated (Y=Yes, N=No, X=Unknown)
FLND	293	293	1	Private Dam on Federal Land (Y=Yes, N=No, X=Unknown)
SCSA	294	294	1	Type of Soil Conservation Service Assistance
				N=No Assistance
				T=Technical Assistance
				F=Financial Assistance
				B=Both Technical and Financial Assistance
				X=Unknown
DHAZ	295	295	1	Degree of Downstream Hazard
				1=High (More than a Few Lives Lost; Excessive Economic Loss)
				2=Significant (A Few Lives Lost; Appreciable Economic Loss)
				3=Low (No Lives Expected Lost; Minimal Economic Loss)
DCITY	296	319	24	Nearest Downstream City

Water Impoundment File: FRSPDAMS.DBF in FRSPSITE.ZIP				
Field Name	Start	Stop	Length	Field Description
POP	320	326	7	Population of Downstream City
DMILE	327	331	5.2	Distance of Downstream City From Dam (Miles)
RET	332	342	11.2	Retention Coefficient (Dimensionless)
MIX	343	353	11.2	Mixing Coefficient (Dimensionless)
SAREA	354	361	8	Surface Area of Impoundment (Acres)
SAFLG	362	362	1	Surface Area Flag (C=Calc., M=Measured, O=Other)
ILNTH	363	367	5	Length of Impoundment (Feet)
ILFLG	368	368	1	Impoundment Length Flag (C=Calc., M=Measured, O=Other)
UPKEY	369	374	6	Update Key (YYMMDD)

The following table provides the ASCII and DBASE III+ database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) attributes. The actual numeric file names will vary depending on the catalog unit(s). This information can be readily incorporated into the park's Geographic Information System.

<u>RF3 Structure File: 12345678.RF3 and 12345678.DBF in FRSPRF3.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
CATUNIT	1	8	8	Cataloging Unit (CU)
SEGM	9	12	4	Segment Number (SEG)
MI	13	17	5.2	Mile Point (MI)
UPMI	18	22	5.2	Upstream Mile Pt.
SEQNO	23	33	11.6	Hydro Sequence No.
RFLAG	34	34	1	Reach Flag (0,1)
OWFLAG	35	35	1	Open Water Flag (0,1)
TFLAG	36	36	1	Terminal Flag (0,1)
SFLAG	37	37	1	Start Flag (0,1)
RCHTYPE	38	38	1	Reach Type Code
LEV	39	40	2	Stream Level
JUNC	41	42	2	Level of Downstream Reach
DIVERGENCE	43	43	1	Divergence Code
STARTCU	44	51	8	Start CU
STRTSG	52	55	4	Start SEG
STOPCU	56	63	8	Stop CU
STOPSG	64	67	4	Stop SEG
USDIR	68	68	1	Upstream Direction
TERMID	69	73	5	Terminal Stream ID
TRMBLV	74	74	1	Terminal Base Level
PNAME	75	104	30	Primary Name
PNMCD	105	115	11	Primary Name Code
CNAME	116	145	30	Complement Name
CNMCD	146	156	11	Complement Name Code

<u>RF3 Structure File: 12345678.RF3 and 12345678.DBF in FRSPRF3.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
OWNAME	157	186	30	Open Water Name
OWNMCD	187	197	11	Open Water Name Code
DSCU	198	205	8	Downstream CU
DSSEG	206	209	4	Downstream SEG
DSMI	210	214	5.2	Downstream MI
CCU	215	222	8	Complement CU
CSEG	223	226	4	Complement SEG
CMILE	227	231	5.2	Complement MI
CDIR	232	232	1	Complement Direction
ULCU	233	240	8	Upstream Left CU
ULSEG	241	244	4	Upstream Left SEG
ULMI	245	249	5.2	Upstream Left MI
URCU	250	257	8	Upstream Right CU
URSEG	258	261	4	Upstream Right SEG
URMI	262	266	5.2	Upstream Right MI
SEGL	267	272	6.2	Reach Length (Miles)
RFORGFLAG	273	273	1	RF Origin flag(1,2,3)
ALTPNMCD	274	281	8	Alt. Primary Name Code
ALTOWNMC	282	289	8	Alt. OW Name Code
DLAT	290	297	8.4	Downstream Latitude
DLONG	298	305	8.4	Downstream Longitude
ULAT	306	313	8.4	Upstream Latitude
ULONG	314	321	8.4	Upstream Longitude
MINLAT	322	329	8.4	Minimum Latitude
MINLONG	330	337	8.4	Minimum Longitude
MAXLAT	338	345	8.4	Maximum Latitude
MAXLONG	346	353	8.4	Maximum Longitude
NDLGREC	354	357	4	No. of DLG Records
LL1KEY1	358	367	10	Starting DLG LL Key1

<u>RF3 Structure File: 12345678.RF3 and 12345678.DBF in FRSPRF3.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
LL2KEY1	368	377	10	Ending DLG LL Key1
LL1KEY2	378	387	10	Starting DLG LL Key2
LL2KEY2	388	497	10	Ending DLG LL Key2
LL1KEY3	398	407	10	Starting DLG LL Key3
LL2KEY3	408	417	10	Ending DLG LL Key3
LL1KEY4	418	427	10	Starting DLG LL Key4
LL2KEY4	428	437	10	Ending DLG LL Key4
LL1KEY5	438	447	10	Starting DLG LL Key5
LL2KEY5	448	457	10	Ending DLG LL Key5
LL1KEY6	458	467	10	Starting DLG LL Key6
LL2KEY6	468	477	10	Ending DLG LL Key6
LL1KEY7	478	487	10	Starting DLG LL Key7
LL2KEY7	488	597	10	Ending DLG LL Key7
LL1KEY8	498	507	10	Starting DLG LL Key8
LL2KEY8	508	517	10	Ending DLG LL Key8
LL1KEY9	518	527	10	Starting DLG LL Key9
LL2KEY9	528	537	10	Ending DLG LL Key9
LL1KEY10	538	547	10	Start DLG LL Key 10
LL2KEY10	548	557	10	Ending DLG LL Key10
LN1AT2	558	561	4	DLG Line Attr. 1
LN2AT2	562	565	4	DLG Line Attr. 2
AREA1	566	569	4	DLG Area ID 1
AREA2	570	573	4	DLG Area ID 2
AR1AT2	574	577	4	DLG Area Attribute
AR1AT4	578	581	4	DLG Area Attribute
AR2AT2	582	585	4	DLG Area Attribute
AR2AT4	586	589	4	DLG Area Attribute
UPDATE1	590	595	6	Update Date #1 (mmddyy)
UPDTCD1	596	603	8	Update Type Code #1

<u>RF3 Structure File: 12345678.RF3 and 12345678.DBF in FRSPRF3.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
UPDTSRC1	604	611	8	Update Source #1
UPDATE2	612	617	6	Update Date #2 (mmddyy)
UPDTCD2	618	625	8	Update Type Code#2
UPDTSRC2	626	633	8	Update Source #2
UPDATE3	634	639	6	Update Date #3 (mmddyy)
UPDTCD3	640	647	8	Update Type Code #3
UPDTSRC3	648	655	8	Update Source #3
DIVCU	656	663	8	Divergent CU
DIVSEG	664	667	4	Divergent SEG
DIVMILE	668	672	5.2	Divergent MI
DLGID	673	678	6	DLG Number Special Use For Internal State Codes
FILLER	678	685	7	Filler: Future Use

Note: The structure for the .DBF file varies slightly from the RF3 structure displayed here in that the fields UPDATE1, UPDATE2, and UPDATE3 have a width of 8 and the last two fields, DLGID and FILLER, have been replaced with a field named ID of length 17. This ID field combines the CATUNIT, SEGM, and MI fields.

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) traces. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual hydrographic network and is suitable for conversion into a variety of Geographic Information System formats.

<u>RF3 Trace File: 12345678.TRC in FRSPRF3.ZIP</u>				
Field Name	Start	Stop	Length	Field Description
(Header Record)				
CATUNIT	1	8	8	Cataloging Unit
SEGM	9	12	4	Segment Number
MI	13	17	5.2	Mile Point
NPTS	18	21	4	Number of Lat/Lon Coordinates
(Coordinate Record)				
LATITUDE	1	8	8.4	Latitude in Decimal
LONGITUDE	9	16	8.4	Longitude in Decimal
FILLER	17	21	5	

The following table provides the ASCII database field structures for the EPA River Reach File Ver. 3.0 (1:100,000 scale hydrography) catalog unit boundary file. The actual numeric file names will vary depending on the catalog unit(s). This file contains the actual catalog unit boundary and is suitable for conversion into a variety of Geographic Information System formats.

<u>Catalog Unit Boundary File: 12345678.CUB in FRSPRF3.ZIP</u>	
First Line = Catalog Unit Number (8 Characters)	
Subsequent Lines:	
L=DDMMSS,L=DDDDMMSS,L=DDMMSS,L=DDDDMMSS,L=DDMMSS,L=DDDDMMSS, ...	
Example:	
02070010	
L=391259,L=0770809,L=391220,L=0770749,L=391147,L=0770715,L=391120,L=0770633,	
L=391058,L=0770535,L=391042,L=0770520,L=391016,L=0770427,L=390948,L=0770416,	
L=390526,L=0765331,L=390500,L=0765149,L=390456,L=0765139,L=390357,L=0765123,	
...	
L=390744,L=0771007,L=390826,L=0771022,L=390910,L=0771022,L=390950,L=0771003,	
L=391107,L=0770922,	
There can be as many as four latitude/longitude pairs per line.	

The following table provides the DBASE III+ database field structure of the Water Resources Division's "encyclopedia" file that documents the minimum and maximum parameter values found and the park(s) where they occurred. This file is intended for Water Resources Division internal use, but will be available to anyone upon request after Baseline Water Quality Data Inventory and Analysis reports have been completed for all parks.

<u>Encyclopedia File: WRD File For Internal Use Only</u>				
Field Name	Start	Stop	Length	Field Description
PARM	1	5	5	STORET Parameter Code
PARMNAME	6	45	40	Parameter Name
MINVAL	46	61	16.7	Minimum Value
MINVALPARK	62	65	4	Park Unit with Minimum Value
MAXVAL	66	71	16.7	Maximum Value
MAXVALPARK	72	75	4	Park Unit with Maximum Value

Appendix C

STORET Water Quality Control/Edit Checking

The following table provides the high and low values used by STORET since November 1983 for 190 common water quality parameters to screen or error check data. Data entered into STORET prior to November 1983, however, were not subjected to this edit/bounds check. Additionally, data from the USGS WATSTORE system that is loaded into STORET is never subjected to these edit criteria and agencies entering data in STORET can override these edit criteria to enter data values that fall outside a range. As a consequence, all data downloaded from STORET for the purposes of this project were filtered through these edit criteria to document values outside the generally accepted ranges. Decisions were then made on a case-by-case basis to retain or discard obviously incorrect data. Refer to the Water Quality Observations Outside STORET Edit Criteria section of the Interpretive Guide To Water Quality Results chapter for more information on this subject.

STORET Code	STORET Parameter Description	High Value	Low Value
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	37.0	-2.0
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	98.0	31.0
00020	TEMPERATURE, AIR (DEGREES CENTIGRADE)	52.0	-40.0
00021	TEMPERATURE, AIR (DEGREES FAHRENHEIT)	125.0	-40.0
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE	1990.9	1977.0
00032	CLOUD COVER (PERCENT)	101.0	0.0
00035	WIND VELOCITY (MILES PER HOUR)	85.0	0.0
00036	WIND DIRECTION IN DEGREES FROM TRUE N (CLOCKWISE)	361.0	0.0
00045	PRECIPITATION, TOTAL (INCHES PER DAY)	15.0	0.0
00070	TURBIDITY, (JACKSON CANDLE UNITS)	1500.0	0.0
00074	TURBIDITY, TRANSMISSOMETER, PERCENT TRANSMISSION	101.0	0.0
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	500.0	0.0
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	1000.0	0.0
00077	TRANSPARENCY, SECCHI DISC (INCHES)	600.0	0.0
00080	COLOR (PLATINUM-COBALT UNITS)	500.0	0.0
00081	COLOR, APPARENT(UNFILTERED SAMPLE) PLAT-COB UNITS	500.0	0.0
00085	ODOR (THRESHOLD NUMBER AT ROOM TEMPERATURE)	250.0	0.0
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	60000.0	1.0
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	60000.0	1.0
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	30.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00300	OXYGEN, DISSOLVED (MG/L)	30.0	0.0
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION%	200.0	0.0
00310	BOD, 5 DAY, 20 DEG C (MG/L)	150.0	0.0
00335	COD, .025N K2CR2O7 (MG/L)	1000.0	0.0
00340	COD, .25N K2CR2O7 (MG/L)	1000.0	0.0
00365	CHLORINE DEMAND, 15 MINUTE (MG/L)	15.0	0.0
00400	PH (STANDARD UNITS)	12.0	0.9
00403	PH, LAB, STANDARD UNITS, (STANDARD UNITS)	12.0	0.9
00405	CARBON DIOXIDE (MG/L AS CO2)	100.0	0.0
00406	PH, FIELD (STANDARD UNITS)	12.0	0.9
00410	ALKALINITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	750.0	0.0
00435	ACIDITY, TOTAL (MG/L AS CACO3)	1000.0	0.0
00436	ACIDITY, MINERAL (METHYL ORANGE) (MG/L AS CACO3)	1000.0	0.0
00437	ACIDITY, CO2 (PHENOLPHTHALEIN) (MG/L AS CACO3)	750.0	0.0
00440	BICARBONATE ION (MG/L AS HCO3)	450.0	0.0
00445	CARBONATE ION (MG/L AS CO3)	100.0	0.0
00480	SALINITY - PARTS PER THOUSAND	40.0	0.0
00500	RESIDUE, TOTAL (MG/L)	15000.0	0.0
00505	RESIDUE, TOTAL VOLATILE (MG/L)	10000.0	0.0
00510	RESIDUE, TOTAL FIXED (MG/L)	10000.0	0.0
00515	RESIDUE, TOTAL FILTRABLE (DRIED AT 105C), (MG/L)	20000.0	0.0
00520	RESIDUE, VOLATILE FILTRABLE (MG/L)	10000.0	0.0
00525	RESIDUE, FIXED FILTRABLE (MG/L)	10000.0	0.0
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	10000.0	0.0
00535	RESIDUE, VOLATILE NONFILTRABLE (MG/L)	10000.0	0.0
00540	RESIDUE, FIXED NONFILTRABLE (MG/L)	10000.0	0.0
00545	RESIDUE, SETTLEABLE (ML/L)	1000.0	0.0
00546	RESIDUE, SETTLEABLE (MG/L)	1000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00550	OIL & GREASE (SOXHLET EXTRACTION) TOTAL,REC., (MG/L)	250.0	0.0
00600	NITROGEN, TOTAL (MG/L AS N)	100.0	0.0
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	15.0	0.0
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	25.0	0.0
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	20.0	0.0
00615	NITRITE NITROGEN, TOTAL (MG/L AS N)	5.0	0.0
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	50.0	0.0
00625	NITROGEN, KJELDAHL, TOTAL, (MG/L AS N)	50.0	0.0
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	55.0	0.0
00635	NITROGEN, AMMONIA & ORG., TOTAL 1 DET (MG/L AS N)	70.0	0.0
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	30.0	0.0
00653	PHOSPHATE, TOTAL SOLUBLE (MG/L)	30.0	0.0
00655	PHOSPHATE, POLY (MG/L AS PO4)	30.0	0.0
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	30.0	0.0
00665	PHOSPHORUS, TOTAL (MG/L AS P)	10.0	0.0
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	10.0	0.0
00680	CARBON, TOTAL ORGANIC (MG/L AS C)	100.0	0.0
00681	CARBON, DISSOLVED ORGANIC (MG/L AS C)	100.0	0.0
00685	CARBON, TOTAL INORGANIC (MG/L AS C)	100.0	0.0
00690	CARBON, TOTAL (MG/L AS C)	150.0	0.0
00720	CYANIDE, TOTAL (MG/L AS CN)	10.0	0.0
00745	SULFIDE, TOTAL (MG/L AS S)	1500.0	0.0
00746	SULFIDE, DISSOLVED (MG/L AS S)	1500.0	0.0
00760	SULFITE WASTE LIQUOR, PEARL BENSON INDEX (MG/L)	150.0	0.0
00900	HARDNESS, TOTAL (MG/L AS CACO3)	5000.0	0.0
00910	CALCIUM (MG/L AS CACO3)	3000.0	0.0
00915	CALCIUM, DISSOLVED (MG/L AS CA)	1000.0	0.0
00916	CALCIUM, TOTAL (MG/L AS CA)	1000.0	0.0
00920	MAGNESIUM (MG/L AS CACO3)	3000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
00925	MAGNESIUM, DISSOLVED (MG/L AS MG)	1000.0	0.0
00927	MAGNESIUM, TOTAL (MG/L AS MG)	1000.0	0.0
00929	SODIUM, TOTAL (MG/L AS NA)	5000.0	0.0
00930	SODIUM, DISSOLVED (MG/L AS NA)	5000.0	0.0
00931	SODIUM ADSORPTION RATIO	50.0	0.0
00935	POTASSIUM, DISSOLVED (MG/L AS K)	175.0	0.0
00937	POTASSIUM, TOTAL MG/L AS K)	175.0	0.0
00940	CHLORIDE, TOTAL IN WATER, (MG/L)	22000.0	0.0
00945	SULFATE, TOTAL (MG/L AS SO4)	2500.0	0.0
00946	SULFATE, DISSOLVED (MG/L AS SO4)	2500.0	0.0
00950	FLUORIDE, DISSOLVED (MG/L AS F)	15.0	0.0
00951	FLUORIDE, TOTAL (MG/L AS F)	15.0	0.0
00955	SILICA, DISSOLVED (MG/L AS SI02)	2000.0	0.0
00956	SILICA, TOTAL (MG/L AS SI02)	2000.0	0.0
01000	ARSENIC, DISSOLVED (UG/L AS AS)	5000.0	0.0
01002	ARSENIC, TOTAL (UG/L AS AS)	5000.0	0.0
01005	BARIUM, DISSOLVED (UG/L AS BA)	2000.0	0.0
01007	BARIUM, TOTAL (UG/L AS BA)	2000.0	0.0
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	2000.0	0.0
01012	BERYLLIUM, TOTAL (UG/L AS BE)	2000.0	0.0
01020	BORON, DISSOLVED (UG/L AS B)	5000.0	0.0
01022	BORON, TOTAL (UG/L AS B)	5000.0	0.0
01025	CADMIUM, DISSOLVED (UG/L AS CD)	500.0	0.0
01027	CADMIUM, TOTAL (UG/L AS CD)	500.0	0.0
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	2000.0	0.0
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	2000.0	0.0
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	2000.0	0.0
01034	CHROMIUM, TOTAL (UG/L AS CR)	2000.0	0.0
01040	COPPER, DISSOLVED (UG/L AS CU)	2000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
01042	COPPER, TOTAL (UG/L AS CU)	5000.0	0.0
01045	IRON, TOTAL (UG/L AS FE)	56000.0	0.0
01046	IRON, DISSOLVED (UG/L AS FE)	56000.0	0.0
01047	IRON, FERROUS (UG/L AS FE)	56000.0	0.0
01049	LEAD, DISSOLVED (UG/L AS PB)	1000.0	0.0
01051	LEAD, TOTAL (UG/L AS PB)	1000.0	0.0
01055	MANGANESE, TOTAL (UG/L AS MN)	5000.0	0.0
01056	MANGANESE, DISSOLVED (UG/L AS MN)	5000.0	0.0
01065	NICKEL, DISSOLVED (UG/L AS NI)	2000.0	0.0
01067	NICKEL, TOTAL (UG/L AS NI)	2000.0	0.0
01075	SILVER, DISSOLVED (UG/L AS AG)	5000.0	0.0
01077	SILVER, TOTAL (UG/L AS AG)	5000.0	0.0
01090	ZINC, DISSOLVED (UG/L AS ZN)	25000.0	0.0
01092	ZINC, TOTAL (UG/L AS ZN)	25000.0	0.0
01105	ALUMINUM, TOTAL (UG/L AS AL)	20000.0	0.0
01106	ALUMINUM, DISSOLVED (UG/L AS AL)	20000.0	0.0
01145	SELENIUM, DISSOLVED (UG/L AS SE)	100.0	0.0
01501	ALPHA, TOTAL	200.0	0.0
01503	ALPHA, DISSOLVED	75.0	0.0
01505	ALPHA, SUSPENDED	150.0	0.0
03501	BETA, TOTAL	3500.0	0.0
03503	BETA, DISSOLVED	3000.0	0.0
03505	BETA, SUSPENDED	1500.0	0.0
09503	RADIUM 226, DISSOLVED	500.0	0.0
13501	STRONTIUM 90, TOTAL	500.0	0.0
22703	URANIUM, NATURAL, DISSOLVED	500.0	0.0
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED.M-ENDO MED, 35C	24000000.0	0.0
31502	COLIFORM, TOTAL, 10/ML	24000000.0	0.0
31503	COLIFORM, TOT, MEMBR FILTER, DELAYED,M-ENDO MED, 35C	24000000.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
31504	COLIFORM, TOT, MEMBR FILTER, IMMED, LES ENDO AGAR, 35C	24000000.0	0.0
31613	FECAL COLIFORM, MEMBR FILTER, M-FC AGAR, 44.5C, 24HR	10000000.0	0.0
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	10000000.0	0.0
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	10000000.0	0.0
31672	FECAL STREPTOCOCCI, PLATE COUNT M-ENTER AGAR, 35C 48HR	500000.0	0.0
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	500000.0	0.0
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	500000.0	0.0
31679	FECAL STREPTOCOCCI, MF M-ENTEROCOCCUS AGAR, 35C, 48H	500000.0	0.0
31749	PLATE COUNT, TOTAL, TPC AGAR, 20C, 48 HRS	99999999.0	0.0
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	99999999.0	0.0
32210	CHLOROPHYLL-A UG/L TRICHROMATIC UNCORRECTED	500.0	0.0
32211	CHLOROPHYLL-A UG/L SPECTROPHOTOMETRIC ACID. METH.	750.0	0.0
32212	CHLOROPHYLL-B UG/L TRICHROMATIC UNCORRECTED	1000.0	0.0
32214	CHLOROPHYLL-C UG/L TRICHROMATIC UNCORRECTED	200.0	0.0
32217	CHLOROPHYLL A UG/L FLUOROMETRIC UNCORRECTED	500.0	0.0
32218	PHEOPHYTIN-A UG/L SPECTROPHOTOMETRIC ACID. METH.	200.0	0.0
32219	PHEOPHYTIN RATIO(OD 663)SPECTRO,BEFORE/AFTER ACID	2.0	0.0
32221	CHLOROPHYLL A, % OF(PHEOPHYTIN A+CHL A),SPEC-ACID.	101.0	0.0
32230	CHLOROPHYLL A (MG/L)	0.5	0.0
32231	CHLOROPHYLL B (MG/L)	0.8	0.0
32232	CHLOROPHYLL C (MG/L)	0.2	0.0
32234	CHLOROPHYLL, TOTAL (A+B+C) (MG/L)	1.0	0.0
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	5.0	0.0
32730	PHENOLICS, TOTAL, RECOVERABLE (UG/L)	1500.0	0.0
38260	METHYLENE BLUE ACTIVE SUBST. (DETERGENTS, ETC.)	10.0	0.0
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39340	GAMMA-BHC(LINDANE), WHOLE WATER, (UG/L)	20.0	0.0
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER, (UG/L)	20.0	0.0
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0

STORET Code	STORET Parameter Description	High Value	Low Value
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39480	METHOXYCHLOR IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39516	PCBS IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39530	MALATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39540	PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39600	METHYL PARATHION IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	20.0	0.0
50060	CHLORINE, TOTAL RESIDUAL (MG/L)	5.0	0.0
60050	ALGAE, TOTAL (CELLS/ML)	700000.0	0.0
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	4000.0	0.0
70505	PHOSPHATE, TOTAL,COLORIMETRIC METHOD (MG/L AS P)	10.0	0.0
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	10.0	0.0
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO3)	65.0	0.0
71886	PHOSPHORUS, TOTAL, AS PO4 - (MG/L)	30.0	0.0
71890	MERCURY, DISSOLVED (UG/L AS HG)	10.0	0.0
71895	MERCURY, SUSPENDED (UG/L AS HG)	10.0	0.0
71900	MERCURY, TOTAL (UG/L AS HG)	10.0	0.0
74010	IRON, TOTAL (MG/L AS FE)	56000.0	0.0

Appendix D
STORET Administrative Parameters

STORET Code	Description of STORET Administrative Parameters
00022	LENGTH OF EXPOSURE OF SAMPLE OR TEST - DAYS
00026	TOXICS-IDENTIFY DATA COLLECTION BY EPA DIRECTIVE
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00073	SAMPLE LOC CODE DEFINED BY THERMAL STRUCT & DEPTH
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
00116	INTENSIVE SURVEY IDENTIFICATION NUMBER
00145	TOTAL PRODUCTION OF PRODUCT MANUFACTURED TONS/DAY
01273	TOTAL ACID PRIORITY POLLUTANTS MG/L
01274	TOTAL BASE-NEUTRAL PRIORITY POLLUTANTS MG/L
01275	TOTAL VOLATILE PRIORITY POLLUTANTS MG/L
01365	ANALYSIS DATE (DIOXIN) (YYMMDD)
04177	SAMPLE STABILIZATION, RECOVERY TEST CODE
04178	FIELD PROTOCOL(CONFDNCE ASSIGNED FIELD SAMPLE) CODE
04179	SAMPLE STATION LOCKED CODE
04180	CONDITION OF STATION SITE CODE
04181	LABORATORY QA/QC PLAN CONFIDENCE CODE
04182	SAMPLE TYPE CODE
04183	SAMPLE REMARKS CODE
30333	BAG MESH SIZE, BEDLOAD SAMPLER, MM
34772	NPDES NUMBER, CROSS REFERENCE CODE
34785	GAGE TYPE, METHOD CODE

STORET Code	Description of STORET Administrative Parameters
45575	GC MAKE AND MODEL INFORMATION CODE
45576	GC DETECTOR TYPE CODE
45577	GC COLUMN TYPE CODE
45580	METHOD OF ANALYSIS CODE
45581	LABORATORY LOCATION CODE
46107	SAMPLE LOCATION CODE (TREATMENT PLANT OPERATION)
46390	TOXICITY CHARACTERISTIC LEACHING PROCEDURE P OR F
46396	PROCESS TO SIGNIFICANTLY REDUCE PATHOGENS YES OR NO
46397	PROCESS TO FURTHER REDUCE PATHOGENS YES OR NO
47001	PERMIT EXPIRATION DATE (JULIAN CALENDAR)
47044	OBSERVATIONS,WASTE SITE-SEVERITY OF PROBLEMS CODE
47460	SUBSAMPLE - DECIMAL FRACTION OF WHOLE NUMBER
47477	COMPOSITION AND/OR DISPOSITION OF CATCH NUM CODE
70231	CURRENT DIRECTION (DEGREES FROM DOWNSTREAM FLOW)
71999	SAMPLE PURPOSE CODE
72032	NUMBER OF SPILLWAY GATES OPEN
73672	DATE OF ANALYSIS YYMMDD
73673	DATE OF EXTRACTION YYMMDD
74031	GRANT, PROJECT COST ELIGIBLE FOR CONSTRUCTION
74032	GRANT, AMOUNT OF PL 660 GRANT FOR THIS PROJECT
74033	GRANT, FEDERAL, OTHER THAN PL 660 GRANT
74034	GRANT, FUTURE PL 660 WHICH MAY APPLY TO THIS PROJ
74035	GRANT, TOTAL FEDERAL, WHICH APPLIES TO THIS PROJ
74036	GRANT, PROJ NUMBER ASSIGNED TO THIS APPLICATION
74037	GRANT, TYPE OF PROJECT TO WHICH GRANT APPLIES
74038	GRANT, STATUS OF PROJECT TO WHICH GRANT APPLIES
74039	PCS/STORET WATER QUALITY FILE INTERFACE YR/MO/DAY
74040	SURVEY NUMBER YYMMNO
74041	STORET STORAGE TRANSACTION DATE YR/MO/DAY

STORET Code	Description of STORET Administrative Parameters
74050	RADIOACTIVITY, GENERAL (PERMIT)
74051	ALGICIDES, GENERAL (PERMIT)
74052	CHLORINATED HYDROCARBONS, GENERAL (PERMIT)
74053	PESTICIDES, GENERAL (PERMIT)
74056	COLIFORM, TOTAL, GENERAL (PERMIT)
74065	STREAM FLOW CLASS
74066	ANNUAL RUNOFF
74067	SOIL CLASSIFICATION
74068	WATER QUALITY DESIGNATED USE CLASSIFICATION (IA)
74100	PRIMARY 1972 SIC CODE
74101	SECONDARY 1972 SIC CODE
74102	SECONDARY 1972 SIC CODE
74103	SECONDARY 1972 SIC CODE
74200	SAMPLE PRESERVATION METHODS ONE OR MORE IN COMB.
74205	LAND RESOURCE AREA (IOWA)
74206	SOIL EROSION POTENTIAL (IOWA)
74209	WATER QUALITY INDEX - STATE OF ILLINOIS, EPA
74210	FOREST STREAM WATER QUALITY INDEX CALC. NUMBER
74990	FISH SPECIES NUMERIC CODE - F&W SERVICE
74995	ANATOMY CODE
75000	SPECIES CODE-REMARK=SEX (M=MALE,F=FEMALE,U=UNK.)
81028	WITHDRAWAL OF GROUNDWATER (MILLION GAL/DAY)
82258	WATER CLASSIFICATION CODE (1-9) CODE
82292	DATA RELAY GROUND STATION SOURCE NODE CODE, CODE
82309	CONTAMINATION SOURCE POSSIBLE CODES NUMERIC CODE
82310	DEPTH CONFIDENCE IN REPORTED VALUES NUMERIC CODES
82373	FREQUENCY OF SAMPLING M=MON,Q=QUAR,Y=YR,R=RNFFCODE
82519	DRILLER REGISTRATION NUMBER ALPHA-NUMERIC CODE
82562	NARRATIVE REQUIREMENT EXCEEDANCES INTEGER

STORET Code	Description of STORET Administrative Parameters
82576	DAILY EXCURSION TIME, WATER MIN
82577	MONTHLY EXCURSION TIME, WATER TOTAL MIN
82578	DAY/MAXIMUM EXCURSION TIME, WATER MIN
82579	CODE NUMBER FOR PERSON COLLECTING SAMPLE
84002	CODE, GENERAL INFORMATION - ALPHA, NUMERIC CODE
84003	WATER SHED ID NUMBER (IOWA)
84005	FISH SPECIES CODE-FISH & WILDLIFE SER
84006	OWNERSHIP CLASSIFICATION OF LAKE, ILLINOIS SYSTEM
84010	PUBLIC ACCESS TO LAKE ILLINOIS SYSTEM
84011	CONFIDENCE CODE FOR GLC CONFIRMATION CODE
84012	PATIENT PARAMETERS (AGE, SEX, WT, ETC.) CODE
84013	SAMPLE PARAMETERS D=DESIGN SPECIMEN, S=SURPLUS
84027	CODE NUMBER FOR AGENCY COLLECTING SAMPLE
84028	CODE NO FOR AGENCY ANALYZING SAMPLE
84029	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE FIELD
84033	EGD ANALYTICAL DATA COMPLETENESS Y=YES N=NO CODE
84034	EGD SMPL NO.(SMPL.IDENT) NUMERIC=SCS ALPH+4NUM=JRB
84035	EGD SAMPLE CLASSIFICATION CATEGORY ALPHA CODE
84036	EGD INDUSTRIAL CATEGORY NUMERIC CODE
84037	EGD INDUSTRIAL CATEGORY NAME ALPHA CODE
84038	EGD LABORATORY NUMERIC CODE
84039	EGD LABORATORY NAME ALPHA CODE
84040	EGD SAMPLE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84041	EGD ACID STATUS (1-5,9,AND BLANK) NUMERIC CODE
84042	EGD BASE STATUS (1-5,9AND BLANK) NUMERIC CODE
84043	EGD PESTICIDE STATUS (1-5,9,AND BLANK) NUMERIC CODE
84044	EGD VOA FRACT. STATUS INDICATOR (1-5,9,BLANK) CODE
84045	EGD ACID EXTRACT DATE (YYMMDD) NUMERIC CODE
84046	EGD BASE EXTRACTION DATE (YYMMDD) NUMERIC CODE

STORET Code	Description of STORET Administrative Parameters
84047	EGD PESTICIDE EXTRACTION DATE (YYMMDD) NUMERIC CODE
84048	EGD VOA FRACTION INJECTION DATE YYMMDD NUMERIC CODE
84049	EGD ACID CONC. FACTOR (FIVE NUMERIC DIGITS) CODE
84050	EGD BASE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84051	EGD PESTICIDE CONC.FACTOR (FIVE NUMERIC DIGITS) CODE
84052	EGD VOA FRACTION CONC. FACTOR (5 NUMERIC DIGITS) CODE
84053	SAMPLE TYPE AND FREQUENCY OF COLLECTION CODE
84054	LITHOLOGY ALPHA-NUMERIC CODE
84055	AVAILABLE LOGS ALPHA-NUMERIC CODE
84056	WATER USE CATEGORY ALPHA-NUMERIC CODE
84057	INSPECTION TYPE ALPHA-NUMERIC CODE
84058	HYDROGEOLOGIC SYSTEM ALPHA-NUMERIC CODE
84059	WELL OWNERSHIP ALPHA-NUMERIC CODE
84060	TOPOGRAPHY ALPHA-NUMERIC CODE
84061	WELL USE ALPHA-NUMERIC CODE
84062	MEASURING POINT DESCRIPTION ALPHA-NUMERIC CODE
84063	DRILLING METHOD ALPHA-NUMERIC CODE
84064	WELL DATA AVAILABILITY ALPHA-NUMERIC CODE
84065	PERMIT COMPLIANCE DATA ALPHA-NUMERIC CODE
84067	NATURE OF MONITORING ALPHA-NUMERIC CODE
84073	REPLACES EXISTING WELL ALPHA-NUMERIC CODE
84074	AQUIFER TYPE (SEE USGS HANDBOOK) ALPHA CODE
84075	WELL PERMIT NUMBER ALPHA-NUMERIC CODE
84076	TSD MONITORING WELL TYPE ALPHA CODE
84077	TSD MONITORING WELL SAMPLING METHOD ALPHA CODE
84083	POLLUTION VERIFICATION ALPHA CODE
84084	WELL SAMPLE PURPOSE ALPHA CODE
84090	SAMPLE FILE CONTROL PROJECT IDENTIFICATION A-CODE
84091	INFILTRATION DATE/BEGINNING 'YYMMDD'

STORET Code	Description of STORET Administrative Parameters
84092	INFILTRATION DATE/ENDING 'YYMMDD'
84093	ENFORCEMENT FORM #2-C,DATA IDENTIFICATION CODE
84102	SAMPLE SPECIES-SUB ID ALPHA CODE
84103	DIOXIN LABORATORY ALPHA CODE
84104	DIOXIN STUDY ALPHA CODE
84112	SOURCE OF GEHYDROLOGIC DATA CODE
84119	SOURCE OF EVACUATION DATA CODE
84121	REGULATING AGENCY CODE
84122	SAMPLE PURPOSE CODE
84126	SOURCE OF DEPTH DATA CODE
84127	METHOD OF DEPTH MEASUREMENT CODE
84128	SOURCE OF WATER-LEVEL DATA CODE
84129	DATA QUALITY
84141	LAKE, PHYSICAL CONDITION AT SAMPLE TIME, 1-5, CODE
84142	LAKE,RECREATIONAL SUITABILITY @ SMPL TIME,1-5, CODE
84164	SAMPLER TYPE, CODE
85300	PROBLEM CODE NES SURVEY
85327	WATER LEVEL AT SAMPLE COLLECTION TIME-CODE-NES
85332	CLOUD COVER AT SAMPLE COLLECTION TIME-CODE-NES
85553	WELL COMPLETION DATE (MONTH/YEAR)
85554	WELL WORKOVER DATE, LATEST (MONTH/YEAR)

Appendix E

STORET Parameters Not Suitable for Statistical Analysis

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00001	X-SEC. LOC., HORIZ (FT. FROM R BANK LOOK UPSTR.)
00002	X-SEC. LOC., HORIZ (% FROM R BANK LOOK UPSTR.)
00003	SAMPLING STATION LOCATION, VERTICAL (FEET)
00005	X-SEC. LOC., VERTICAL (PERCENT OF TOTAL DEPTH)
00006	DISTANCE FROM LOCATION IN X MILES
00007	DISTANCE FROM LOCATION IN Y MILES
00008	NUMBER USED IN SAMPLE ACCOUNTING PROCEDURE
00009	X-SEC. LOC.(FT FROM LEFT BANK LOOKING DOWNSTRM)
00027	CODE NO FOR AGENCY COLLECTING SAMPLE
00028	CODE NO FOR AGENCY ANALYZING SAMPLE
00033	WEATHER CODE FOR OCEAN-OBSERV. (WMO CODE 4677)
00037	WIND FORCE (BEAUFORT UNITS)
00038	WIND DIRECTION (WMO CODES 0885 + 0887)
00041	WEATHER (WMO CODE 4501)
00042	ALTITUDE IN FEET ABOVE MEAN SEA LEVEL
00043	CLOUD TYPE (WMO CODE 0500)
00044	CLOUD AMOUNT (WMO CODE 2700)
00047	TOTAL PARTIAL PRESSURE DISSOLVED GASES (MM HG)
00048	TOTAL PARTIAL PRESSURE DISSOLVED GASES (% SAT)
00049	SURFACE AREA IN SQUARE MILES
00050	EVAPORATION, TOTAL (INCHES PER DAY)
00051	SURFACE AREA IN SQUARE FEET
00053	SURFACE AREA, ACRES
00054	RESERVOIR STORAGE - ACRE FEET
00063	SAMPLING POINTS, NUMBER OF IN A CROSS SECTION
00067	TIDE STAGE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
00069	SEA WAVES(0=NONE;1=0-3";2=4-20";3=21-48";4=4-8')
00097	SAMPLING STATION LOCATION, VERTICAL (FEET)
00098	SAMPLING STATION LOCATION, VERTICAL (METERS)
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI
00115	SAMPLE TREATMENT CODE (1=RAW,2=TREATED)
01300	OIL-GREASE (SEVERITY)
01305	DETERGENT SUDS (SEVERITY)
01310	GAS BUBBLES (SEVERITY)
01315	SLUDGE, FLOATING (SEVERITY)
01320	GARBAGE, FLOATING (SEVERITY)
01325	ALGAE, FLOATING MATS (SEVERITY)
01330	ODOR, ATMOSPHERIC (SEVERITY)
01331	TASTE (SEVERITY)
01335	SEWAGE SOLIDS, FRESH, FLOATING (SEVERITY)
01340	FISH, DEAD (SEVERITY)
01345	DEBRIS, FLOATING (SEVERITY)
01350	TURBIDITY (SEVERITY)
01351	FLOW, STRM,1DRY,2LOW,3NORM,4FLOOD,5ABOVE NORM,CODE
01355	ICE COVER, FLOATING OR SOLID (SEVERITY)
03595	BIOASSAY (96 HR), EFFLUENT, TOTAL CODE
03596	BIOASSAY (48 HR), EFFLUENT, TOTAL CODE
03597	BIOASSAY (24 HR), EFFLUENT, TOTAL CODE
03598	TOXICITY, EFFLUENT, TOTAL CODE
03599	TOXICITY, CHOICE OF SPECIES, EFFLUENT CODE
03600	TOXICITY, TROUT, EFFLUENT, TOTAL CODE
03601	TOXICITY, SAND DOLLAR, EFFLUENT CODE
03602	BIOCHEMICAL OXYGEN DEMAND, EFFLUENT, TOTAL CODE
03603	SOLIDS, TOTAL SUSPENDABLE, EFFLUENT, TOTAL CODE
03605	FLOW METER CALIBRATION, WATER CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
03717	ONCORHYNCHUS MYKISS, WATER CODE
04117	TETHER LINE USED FOR COLLECTING SAMPLE CODE
04160	HALOCARBONS, PURGEABLE, SCAN, EFFLUENT CODE
04161	HALOCARBONS, PURGEABLE, SCAN, SLUDGE CODE
04162	AROMATIC, PURGEABLE, SCAN, EFFLUENT CODE
04163	AROMATIC, PURGEABLE, SCAN, SLUDGE CODE
04164	PHENOLIC, TOTAL, SCAN, EFFLUENT CODE
04165	PHENOLIC, TOTAL, SCAN, SLUDGE CODE
04166	PCB, TOTAL, SCAN, EFFLUENT CODE
04167	PCB, TOTAL, SCAN, SLUDGE CODE
04174	FREE LIQUIDS IN SEWAGE SLUDGE CODE
34765	AVIAN NUMERICAL SPECIES CODE (BIRDS)
34766	MAMMALIAN NUMERICAL SPECIES CODE
34771	MACROPHYTE, INSTREAM, VISUAL SIGHTING CODE
34773	ODOR, AMBIENT WATER CODE
34774	FISH, INSTREAM, VISUAL SIGHTING CODE
34775	STREAMBANK CHANNEL ALTERATIONS CODE
34776	HYDRAULIC STRUCTURES, INSTREAM CODE
34780	LAND USE, ADJACENT STREAM CODE
34781	SAMPLE POINTS, # OF LONGTDNL TRANSECTS, REACH CODE
34782	STREAM STAGE TREND CODE
34789	HABITATS, TYPES SAMPLED CODE
45613	FLOATING SOLIDS/VISIBLE FOAM, VISUAL, YES=1, NO=0, CODE
45614	SANITARY WASTE DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
45615	INTERMITTENT DISCHARGE ASSESSMENT, YES=1, NO=0, CODE
46001	WATER APPEARANCE CODE (BASED ON FIELD ASSESSMENT)
46478	EQUIPMENT INSPECTION, VISUAL CODE
46486	TOXICITY, ACUTE 24HR(STATIC) CERIODAPHNIA (P/F) CODE
47454	FLOW METER REVOLUTIONS NUMBER

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
47455	LATITUDE, STARTING, OF A SAMPLE TOW DDMMSS
47456	LONGITUDE, STARTING, OF A SAMPLE TOW DDDMMSS
47457	LATITUDE, FINISHING, OF A SAMPLE TOW DDMMSS
47458	LONGITUDE, FINISHING, OF A SAMPLE TOW DDDMMSS
47459	LENGTH FREQUENCY NUMBER
47461	TIME THAT THE EQUIPMENT WAS SAMPLING MINUTES
47476	DIRECTION OF TOW IN RELATION TO CURRENT NUM CODE
50044	HYDROGRAPH LIMB, 1BASE, 2RISING, 3PEAK, 4FALLING, CODE
61390	DIATOMS,FIRST DOMINANT SPECIES OF UNITS - CODE
61391	DIATOMS,SECOND DOMINANT SPECIES OF UNITS - CODE
61392	DIATOMS,THIRD DOMINANT SPECIES OF UNITS - CODE
61393	DIATOMS,FOURTH DOMINANT SPECIES OF UNITS - CODE
70220	WAVE DIRECTION (WMO CODES 0885 + 0887)
70222	WAVE HEIGHT (WMO CODE 1555)
70223	WAVE PERIOD (WMO CODE 3155)
71090	BIVALVE SPECIES CODE
71500	EQUITABILITY INDEX,BENTHIC MACROINVER CODE
72000	ELEVATION OF LAND SURFACE DATUM (FT. ABOVE MSL)
72001	DEPTH, TOTAL OF HOLE (FT BELOW LAND SURFACE DATUM)
72002	DEPTH TO TOP OF WATER-BEARING ZONE SAMPLED (FT)
72003	DEPTH TO BOTTOM OF WATER-BEARING ZONE SAMPLED (FT)
72004	PUMP OR FLOW PERIOD PRIOR TO SAMPLING MINUTES
72005	SAMPLE SOURCE CODE (BM WELL DATA)
72006	SAMPLING CONDITION CODE (BM WELL DATA)
72007	FORMATION NAME CODE (BM WELL DATA)
72017	SERIES CODE (BM WELL DATA)
72018	SYSTEM CODE (BM WELL DATA)
72111	DIRECT READOUT GROUND STATN TRANSMIT EROR CODE NUM
74054	FECAL STREPTOCOCCI, GENERAL (PERMIT)

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
74055	FECAL COLIFORM, GENERAL (PERMIT)
80889	ACTIVATED SLUDGE PROCESS MODIFICATION CODE
81024	DRAINAGE AREA IN SQUARE MILES (SQ. MI.)
81637	SHELLFISH SPECIES NUMERIC CODE
82289	LAGOON OBSERVATION, VISUAL, Y=YES N=NO CODE
82398	SAMPLING METHOD (CODES)
82524	STORAGE COEFFICIENT NUMERICAL CODE
82923	ATMOSPHERIC DEPOSITION TYPE, WET CODE
83205	ATMOSPHERIC DEPOSITION TYPE, BULK CODE
84000	GEOLOGIC AGE CODE (SEE USGS CATALOG)
84001	AQUIFER NAME CODE (SEE USGS CATALOG)
84004	LAKE TYPE ILLINOIS CLASSIFICATION SYSTEM
84007	ANATOMY ALPHA CODE
84008	LIFE STYLE/HABITAT OF THE INDIVIDUALS IN THE SAMPLE
84009	SHELLFISH SPECIES ALPHANUMERIC CODE
84014	SPECIES SEX CODE
84030	CLOUD AMOUNT ALPHA WEATHER CODES
84031	PHYSICAL WEATHER ALPHA WEATHER CODES
84032	STREAM CONDITION ALPHA WEATHER CODES
84066	OIL AND GREASE, VISUAL, ALPHA-NUMERIC CODE
84068	SERIES CODE ALPHA-NUMERIC CODE
84069	FORMATION CODE ALPHA-NUMERIC CODE
84070	METHOD OF TESTING WELL YIELD ALPHA-NUMERIC CODE
84071	WATER LEVEL MEASUREMENT CONDITIONS ALPHA-NUM CODE
84072	WATER LEVEL MEASUREMENT METHOD ALPHA-NUMERIC CODE
84078	GIARDIA LAMBLIA, 2HSO4 OR SUC GRAD, MICRO, CODE
84079	BACTERIA, CELLUOLYTIC, AEROBIC-ANAEROBIC, RT 5-7, CODE
84080	BACTERIA, HYDROCARBONOCLASTIC, SHAKE INC 32C/WK, CODE
84081	YERSINIA ENTEROCOLITICA, SB BROTH, MAC AGAR,22C, CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84082	SALMONELLA/SHIGELLA, QUANT OR QUAL, HVF OR SWAB, CODE
84085	ORGANICS, VOLATILE, DETECTED, NUMERIC CODE, CODE
84086	MACROINVERTEBRATE SPECIES NUMERIC CODE
84087	MACROINVERTEBRATE HABITAT CODE
84088	BIOLOGY 1 MACROINVERTEBRATE CODE
84089	BIOLOGY 2 MACROINVERTEBRATE CODE
84094	PHYTOPLANKTON SPECIES CODE, NUMERIC
84095	PHYTOPLANKTON SPECIES CODE, ALPHA
84096	SEVERITY OF NON-PLANKTON ALGAE-MAT COVERAGE CODE
84097	LAGOON MOUTH CONDITION CODE
84098	COLOR OF NON-PLANKTONIC ALGAE CODE
84099	WATER - RELATIVE WATER LEVEL CODE
84100	SEX(1-MALE,2-FEMALE,3-MIXED,4-UNKNOWN) NUM CODE
84101	METAFORM, BENTHIC, ADULT(A), PUPAE(P), LARVAE(L) CODE
84105	OIL-SEPARATOR OBSERVATION ASSESS (0=DID NOT,1=DID)
84106	EVAPORAT/BED OBS ASSESS (0=DID NOT LOOK, 1=DID LOOK)
84107	AREA INSPECTION, VISUAL (0=DID NOT, 1=DID) CODE
84108	DRAIN FIELD INSPECTION ASSESS (0=DID NOT, 1=DID) CODE
84109	SLUDGE BUILD-UP IN WATER (0=DID NOT OBS, 1=OBS) CODE
84110	POUND OBSERVATION ASSESS WATER (0=DID NOT, 1=DID) CODE
84111	LITHOLOGIC MODIFIER CODE
84113	WELL INTAKE FINISH CODE
84114	WELL CASING MATERIAL CODE
84115	TYPE OF MATERIAL FROM WHICH OPENING IS MADE CODE
84116	DRILLING FLUID CODE
84117	TYPE OF SURFACE SEAL CODE
84118	METHOD OF DEVELOPMENT CODE
84120	PACKING MATERIAL CODE
84124	METHOD OF EVACUTAION CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84125	METHOD OF WATER-LEVEL MEASUREMENT CODE
84130	OUTFALL OBSERVATION, VISUAL, Y=YES N=NO CODE
84131	SAMPLING METHOD, CONFIDENCE CODE (A,B,C,D) CODE
84132	STREAMBANK, VEGETATIVE STABILITY RATING CODE
84133	STREAMBANK, STABILITY (BANK EROSION) RATING CODE
84134	PARTICLES, DEGREE SURROUNDED BY FINE SEDIMENT, CODE
84135	STREAMSIDE, (SHORELINE) COVER RATING CODE
84136	CANOPY TYPE CODE
84137	CHANNEL STABILITY RATING CODE (E,G,F,P) CODE
84138	COLIFORM, TOTAL, WATER, WHOLE, MPN, PRES=1, ABSNT=2, CODE
84139	ENTEROBACTER AGGLOMERANS, WTR, MF, PRES=1, ABSNT=2, CODE
84140	KLEBSIELLA PNEUMONIAE, WTR, WH, MF, PRES=1, ABSNT=2, CODE
84143	WELL, PURGING CONDITION CODE
84144	WELL, SELECTION CRITERIA CODE
84145	PROJECT COMPONENT CODE
84146	LAND USE, PREDOMINANT, WITHIN 100 FT OF WELL, CODE
84147	LAND USE, PREDOMINANT, 1/4 MI.RADIUS OF WELL, CODE
84148	LAND USE, PREDMNT., FRAC., WITHIN 1/4 MI OF WELL, CODE
84149	LAND USE, CHANGE, LAST 10 YRS, WITHIN 1/4MI WELL, CODE
84150	HABITAT QUALITY INDEX RATING CODE
84151	AQUATIC LIFE, USE CLASSES CODE
84152	STREAM, STAGE CLASS CODE
84153	STREAMBANKS, GRAZING DAMAGE CODE
84154	CHANNEL, MAJOR ALTERATIONS CODE
84155	RIFFLE/RUNS, OCCURRENCE CODE
84156	POOL, DESCRIPTION CODE
84157	SANDBARS, LARGE, OCCURRENCE CODE
84158	LAND USE, NEAR STREAM, PREDOMINANT CODE
84159	STREAM,COVER (INSTREAM SHELTER FOR ADULT FISH), CODE

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
84160	STREAM, DEGRADATION RATING CODE
84161	STREAM, ORDER CODE
84162	LAND RESOURCE AREA CODE
84163	FLOW, STREAM, CLASSIFICATION CODE
84165	DISCHARGE EVENT OBSERVATION, YES=1 NO=0, CODE
84166	STORM HYDROGRAPH, DIRECTION, (RISE,FALL), CODE
84167	MICROSCOPIC EXAMINATION CODE
84168	AVIAN SPECIES ALPHA CODE (BIRDS)
84169	MAMMALIAN ALPHA SPECIES CODE
84170	ALPHA AGE TEXT CODE
84200	LATITUDE/LONGITUDE COORDINATES OF WELL, METHOD CODE
84201	NATIONAL REFERENCE DATUM, ALTITUDE(VERTICAL) CODE
84202	ALTITUDE METHOD CODE
85000	STREAM MILE, ACTUAL MILES
85014	HABITAT, 1970 ACRES THIS TYPE FOR THIS STATION
85015	HAB., ESTIMATED ACRES THIS TYPE THIS STATION
85016	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 1990
85017	HAB., ESTIMATED ACRES THIS TYPE THIS STA. BY 2000
85018	TYPE CODES: 1=CLEAR CUT/2=SELECT CUT/3=RNGE DEVLP
85019	ACRES, NO. ALTERED FROM 1965-1970 (0-5 YEARS OLD)
85020	ACRES, NO. ALTERED 1960-1965 (5-10 YEARS OLD)
85021	ACRES, NO. ALTERED 1955-1960 (10-15 YEARS OLD)
85022	ACRES, NO. ALTERED 1950-1955 (15-20 YEARS OLD)
85023	ACRES, NO. ALTERED BEFORE 1950 (20+ YEARS OLD)
85024	ACRES,PREDICTED YRLY.AVE.TO BE ALTERED IN FUTURE
85025	LANDOWNERS, CODES FOR ALL IN STATE OF OREGON
85026	ACRES, CURRENT OWNED THIS LANDOWNER THIS STATION
85027	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1980
85028	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 1990

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85029	ACRES, ESTIMATED OWNED BY L-O THIS STA. BY 2000
85030	LAND USES, CODES FOR ALL IN STATE OF OREGON
85031	ACRES, CURRENT DEDICATED TO THIS USE THIS STATION
85032	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1980
85033	ACRES, ESTM. DEDICTD TO THIS USE THIS STA BY 1990
85034	ACRES, ESTM. DEDICTD TO THIS USE BY YR.2000 --STA.
85035	HAB., INDICATED ANIMAL USES THIS TYPE IN WINTER
85036	HAB., INDICATED ANIMAL USES THIS TYPE IN SPRING
85037	HAB., INDICATED ANIMAL USES THIS TYPE IN SUMMER
85038	HAB., INDICATED ANIMAL USES THIS TYPE IN FALL
85039	HAB., INDICATED ANML USES THIS TYPE FOR WINTERING
85040	HAB., INDICATED ANML USES THIS TYPE FOR FEEDING
85041	HAB., INDICATED ANML USES TYPE FOR REARING YOUNG
85042	HAB., INDICATED BIRD USES THIS TYPE FOR NESTING
85043	HAB., INDICATED ANML USES THIS TYPE FOR SHELTER
85044	HAB., INDICATED ANML USES THIS TYPE FOR REST AREA
85045	ANML, SHOWS PRESENCE/ABSENCE OF COMMENTS ON THIS ANML
85046	HAB., ACRES OCCUPIED BY THIS ANML THIS UNIT & CO.
85050	ANIMALS ARE NOT PRESENT THIS STATION
85051	ANIMALS, ONLY A FEW ARE PRESENT THIS STATION
85052	ANIMALS COMMONLY SEEN; USE MODERATE THIS STATION
85053	ANIMALS FREQUENTLY SEEN; USE HEAVY THIS STATION
85070	OWNERSHIP (.1) AND ACCESS (.2) BY YEAR
85071	PRIVATE OWNERSHIP AND ACCESS MILEAGE
85072	FEDERAL OWNERSHIP AND ACCESS MILEAGE
85073	STATE OWNERSHIP AND ACCESS MILEAGE
85074	COUNTY OWNERSHIP AND ACCESS MILEAGE
85075	CITY OWNERSHIP AND ACCESS MILEAGE
85076	WATER YEAR DATA REFERS TO

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85077	CALENDAR YEAR DATA REFERS TO
85088	MONTHS POLLUTION IS A PROBLEM JAN THRU JUNE
85089	MONTHS POLLUTION IS A PROBLEM JULY TO DECEMBER
85090	MAN-CAUSED CHANNEL CHANGE IN MILES
85091	STREAM BANK HABITAT DESTROYED IN MILES
85092	STREAMBED SILTED IN MILES
85093	TURBIDITY PROBLEM IN MILES
85094	SEVERITY: 1=ELIMINATES 2=INTERFERES 3=NO PROBLEM
85095	DURATION OF TURBIDITY PROBLEM IN MONTHS
85096	SEASON OF NATURAL DRY CHANNEL 1=SP 2=SU 3=F 4=W
85097	NATURAL DRY CHANNEL IN MILES
85098	MAN-CAUSED DRY CHANNEL SEASON 1=SP 2=SU 3=F 4=W
85099	MAN-CAUSED DRY CHANNEL IN MILES
85100	YEAR BARRIER IS PRESENT
85101	NUMBER OF NATURAL BARRIERS
85102	MILES BLOCKED BY NATURAL BARRIERS
85103	NUMBER OF NATURAL BARRIERS TO BE REMOVED
85104	NUMBER OF DAMS AND MAN CAUSED OBSTRUCTIONS
85105	MILES BLOCKED BY DAMS OR MAN CAUSED OBSTRUCTIONS
85106	NUMBER OF DAMS TO BE ALTERED
85107	MILES OF STREAM OCCUPIED BY IMPOUNDMENT
85108	LOWER END OF SECTION COVERED BY THIS FORM
85109	UPPER END OF SECTION COVERED BY THIS FORM
85110	LOWER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85111	UPPER LIMIT THIS SPECIES THIS FORM BY RIVER MILE
85112	STREAM SURVEY:1=COMPLETE 2=INCOMPLETE 3=NONE
85113	ABUNDANCE: 1=FSHWY/TAG&R 2=SURVEY 3=EST PLUS 4=EST
85114	ABUNDANCE: N=S&ST 1=ABUNDANT 4=SCARCE RGH FSH 3=SCARCE
85116	SQUARE YARDS OF SPAWNING AREA IN 1970

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85117	SQUARE YARDS OF SPAWNING AREA IN 1980
85118	SQUARE YARDS OF SPAWNING AREA IN 1990
85119	SQUARE YARDS OF SPAWNING AREA IN 2000
85120	MILES OF REARING AREA IN 1970
85121	MILES OF REARING AREA IN 1980
85122	MILES OF REARING AREA IN 1990
85123	MILES OF REARING AREA IN 2000
85124	CATCH BY SPORT ANGLING IN 1970
85125	RECREATION DAYS SPENT ANGLING IN 1970
85126	RECREATION DAYS SPENT ANGLING IN 1980
85127	RECREATION DAYS SPENT ANGLING IN 1990
85128	RECREATION DAYS SPENT ANGLING IN 2000
85129	CONTRIBUTION TO COMMERCIAL CATCH IN 1970
85130	PERCENT OF TOTAL FISHING DONE FROM BOAT IN 1970
85131	PERCENT OF TOTAL FISHING DONE FROM BANK IN 1970
85132	PERCENT OF TOTAL FISHING DONE WITH LURE IN 1970
85133	PERCENT OF TOTAL FISHING DONE WITH BAIT IN 1970
85134	PERCENT OF TOTAL FISHING DONE WITH A FLY IN 1970
85146	YEAR THIS FACTOR HAS A LIMITING EFFECT
85157	MAN DAYS OF WATER SKIING
85158	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85159	MAN DAYS OF BOATING OTHER THAN ANGLING
85160	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85161	MAN DAYS OF SWIMMING
85162	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NO ACTIVITY
85163	SEVERITY: 1=INTERFERES 2=NO INTER. 3=NOT PRESENT
85165	NUMBER OF MONTHS SUSPENDED SOLIDS ARE A PROBLEM
85167	NUMBER OF MONTHS PLANKTON IS A PROBLEM
85168	1=ELIMINATE PROD 2=REDUCE 3=NO INTER. 4=NOT PRES

STORET Code	Description of STORET Parameters Not Suitable for Statistical Analysis
85169	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85170	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85171	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85172	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85173	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85174	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85175	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85176	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85177	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85178	1=ELIMINATE PROD 2=UNDESIRABLE 3=REDUCE 4=NO PROB
85179	YEAR THIS NUMBER OF FACILITIES PRESENT
85180	NUMBER OF BOAT RAMPS
85181	NUMBER OF MOORAGES
85182	NUMBER OF PICNIC AREAS
85183	NUMBER OF CAMP AREAS
85184	NUMBER OF RESORTS
85185	YEAR THIS ZONED AREA PRESENT
85186	ACRES SET ASIDE FOR OTHER BOATING
85187	ACRES SET ASIDE FOR WATER SKIING
85188	MILES OF SHORE LOST TO ACCESS BY HOME SITES
85189	TOTAL MILES OF SHORELINE
85193	WILL RECR BE INC BY RELEASE OF FINGERL 0=NO 1=YES
85195	CATCH AND RECREATION ESTIMATE 1=BEST 4=POOREST
85333	PRECIPITATION-SAMPLE COLLECTION TIME-CODE- NES
85538	GAMMA SCAN DATE (YR,MO,DAY)
85539	DATE OF REPORT (YR,MO,DAY)
85658	TIME NIGHT CO2 HR
85661	TIME, INTERVAL DAY CO2 HR

Appendix F

National EPA Water Quality Criteria Summary¹

The following table presents the national water quality criteria that were used to assess water quality data on a station-by-station basis and within the entire study area. Criteria are, for the most part, maximum values (except for dissolved oxygen, pH, and as noted). Criteria exist in any of four categories: Fresh Acute, Drinking Water, Marine Acute, and Other. Acute criteria are the highest 1-hour average concentrations which should not result in unacceptable impacts to aquatic organisms in either fresh or marine waters, respectively. The Drinking Water criteria are intended for human consumption; while the Other criteria represents National Park Service or other concerns. Parameters are listed in ascending order by STORET code. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to obtain the criteria for all parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	00070				50 ^f	TURBIDITY, JACKSON CANDLE UNITS	JTU	Physical
	00076				50 ^f	TURBIDITY, HACH TURBIDIMETER, FORMAZIN TUR. UNITS	FTU	Physical
14808798	00154		250 ^s			SULFATE (AS S) WHOLE WATER	MG/L	General Inorganic
7782447	00299				4.0 ^u	OXYGEN, DISSOLVED, ANALYSIS BY PROBE	MG/L	Dissolved Oxygen
7782447	00300				4.0 ^u	OXYGEN, DISSOLVED	MG/L	Dissolved Oxygen
	00400				≤6.5, ≥9.0 [#]	PH	SU	Physical
	00403				≤6.5, ≥9.0 [#]	PH, LAB	SU	Physical
	00406				≤6.5, ≥9.0 [#]	PH, FIELD	SU	Physical

¹Sources: (1) U.S. Environmental Protection Agency, Quality Criteria for Water 1995, Final Draft; (2) U.S. Environmental Protection Agency, 40 CFR 141 - National Primary Drinking Water Regulations, and 40 CFR 143 - National Secondary Drinking Water Regulations, July 1, 1994; and (3) Others as Noted in Footnotes.

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
471341	00409				<200 ^s	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS	UEQ/L	General Inorganic
17778880	00613		1			NITRITE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00615		1			NITRITE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00618		10			NITRATE NITROGEN, DISSOLVED AS N	MG/L	Nitrogen
17778880	00620		10			NITRATE NITROGEN, TOTAL AS N	MG/L	Nitrogen
17778880	00628		10			NITRITE + NITRATE, SUSPENDED AS N	MG/L	Nitrogen
17778880	00630		10			NITRITE PLUS NITRATE, TOTAL 1 DET.	MG/L	Nitrogen
17778880	00631		10			NITRITE PLUS NITRATE, DISSOLVED 1 DET.	MG/L	Nitrogen
57125	00718	22	200	1.0		CYANIDE, WEAK ACID, DISSOCIABLE, WATER, WHOLE	UG/L	General Inorganic
57125	00719	22	200	1.0		CYANIDE, FREE, IN WATER& WASTEWATERS, HBG METHOD	UG/L	General Inorganic
57125	00720	0.022	0.2	0.001		CYANIDE, TOTAL	MG/L	General Inorganic
57125	00722	0.022	0.2	0.001		CYANIDE, FREE (AMENABLE TO CHLORINATION)	MG/L	General Inorganic
57125	00723	22	200	1.0		CYANIDE, DISSOLVED STD METHOD	UG/L	General Inorganic
57125	00724	22	200	1.0		CYANIDE COMPLEXED TO A RANGE OF COMPNDS, WATER	UG/L	General Inorganic
16887006	00940	860	250 ^s			CHLORIDE, TOTAL IN WATER	MG/L	General Inorganic
16887006	00941	860	250 ^s			CHLORIDE, DISSOLVED IN WATER	MG/L	General Inorganic
14808798	00945		250 ^s			SULFATE, TOTAL (AS SO ₄)	MG/L	General Inorganic
14808798	00946		250 ^s			SULFATE, DISSOLVED (AS SO ₄)	MG/L	General Inorganic
1332214	00948		7000000			ASBESTOS, WHOLE SAMPLE	CNT/L	General Inorganic
16984488	00950		4.0			FLUORIDE, DISSOLVED AS F	MG/L	General Inorganic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
16984488	00951		4.0			FLUORIDE, TOTAL AS F	MG/L	General Inorganic
7782414	00953		4000			FLUORINE, TOTAL	UG/L	General Inorganic
7440382	00978	360	50	69		ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	UG/L	Metal
7782492	00981	20	50	300		SELENIUM, TOTAL RECOVERABLE IN WATER AS SE	UG/L	Metal
7440280	00982	1400*	2.0	2130*		THALLIUM, TOTAL RECOVERABLE IN WATER AS TL	UG/L	Metal
7782492	00990	20	50	300		SELENITE, TOTAL RECOVERABLE INORGANIC	UG/L	Metal
7440382	00991	360	50	69		ARSENIC, TOTAL RECOVERABLE TRIVALENT INORGANIC	UG/L	Metal
7440382	00995	360	50	69		ARSENIC, INORGANIC DISS	UG/L	Metal
7440382	00996	360	50	69		ARSENIC, INORGANIC SUSP	UG/L	Metal
7440382	00997	360	50	69		ARSENIC, INORGANIC TOT	UG/L	Metal
7440417	00998	130*	4.0			BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE	UG/L	Metal
7440382	01000	360	50	69		ARSENIC, DISSOLVED	UG/L	Metal
7440382	01001	360	50	69		ARSENIC, SUSPENDED	UG/L	Metal
7440382	01002	360	50	69		ARSENIC, TOTAL	UG/L	Metal
7440393	01005		2000			BARIUM, DISSOLVED	UG/L	Metal
7440393	01006		2000			BARIUM, SUSPENDED	UG/L	Metal
7440393	01007		2000			BARIUM, TOTAL	UG/L	Metal
7440393	01009		2000			BARIUM, TOTAL RECOVERABLE IN WATER AS BA	UG/L	Metal
7440417	01010	130*	4.0			BERYLLIUM, DISSOLVED	UG/L	Metal
7440417	01011	130*	4.0			BERYLLIUM, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440417	01012	130*	4.0			BERYLLIUM, TOTAL	UG/L	Metal
7440439	01025	3.9 ⁺	5.0	43		CADMIUM, DISSOLVED	UG/L	Metal
7440439	01026	3.9 ⁺	5.0	43		CADMIUM, SUSPENDED	UG/L	Metal
7440439	01027	3.9 ⁺	5.0	43		CADMIUM, TOTAL	UG/L	Metal
7440473	01030		100			CHROMIUM, DISSOLVED	UG/L	Metal
7440473	01031		100			CHROMIUM, SUSPENDED	UG/L	Metal
7440473	01032	16	100	1100		CHROMIUM, HEXAVALENT	UG/L	Metal
16065831	01033	1700 ⁺	100	10300*		CHROMIUM, TRI-VAL	UG/L	Metal
7440473	01034		100			CHROMIUM, TOTAL	UG/L	Metal
7440508	01040	18 ⁺	1300 ^a	2.9		COPPER, DISSOLVED	UG/L	Metal
7440508	01041	18 ⁺	1300 ^a	2.9		COPPER, SUSPENDED	UG/L	Metal
7440508	01042	18 ⁺	1300 ^a	2.9		COPPER, TOTAL	UG/L	Metal
7439921	01049	82 ⁺	15 ^a	220		LEAD, DISSOLVED	UG/L	Metal
7439921	01050	82 ⁺	15 ^a	220		LEAD, SUSPENDED	UG/L	Metal
7439921	01051	82 ⁺	15 ^a	220		LEAD, TOTAL	UG/L	Metal
7440280	01057	1400*	2.0	2130*		THALLIUM, DISSOLVED	UG/L	Metal
7440280	01058	1400*	2.0	2130*		THALLIUM, SUSPENDED	UG/L	Metal
7440280	01059	1400*	2.0	2130*		THALLIUM, TOTAL	UG/L	Metal
7440020	01065	1400 ⁺	100	75		NICKEL, DISSOLVED	UG/L	Metal
7440020	01066	1400 ⁺	100	75		NICKEL, SUSPENDED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	01067	1400 ⁺	100	75		NICKEL, TOTAL	UG/L	Metal
7440020	01074	1400 ⁺	100	75		NICKEL, TOTAL RECOVERABLE IN WATER AS NI	UG/L	Metal
7440224	01075	4.1 ⁺	100 ^s	0.12		SILVER, DISSOLVED	UG/L	Metal
7440224	01076	4.1 ⁺	100 ^s	0.12		SILVER, SUSPENDED	UG/L	Metal
7440224	01077	4.1 ⁺	100 ^s	0.12		SILVER, TOTAL	UG/L	Metal
7440224	01079	4.1 ⁺	100 ^s	0.12		SILVER, TOTAL RECOVERABLE IN WATER AS AG	UG/L	Metal
7440508	01089	0.018 ⁺	1.3 ^a	0.0029		COPPER AS SUSPENDED BLACK OXIDE IN WATER	MG/L	General Inorganic
7440666	01090	120 ⁺	5000 ^s	95		ZINC, DISSOLVED	UG/L	Metal
7440666	01091	120 ⁺	5000 ^s	95		ZINC, SUSPENDED	UG/L	Metal
7440666	01092	120 ⁺	5000 ^s	95		ZINC, TOTAL	UG/L	Metal
7440666	01094	120 ⁺	5000 ^s	95		ZINC, TOTAL RECOVERABLE IN WATER AS ZN	UG/L	Metal
7440360	01095	88 ^p	6.0	1500 ^p		ANTIMONY, DISSOLVED	UG/L	Metal
7440360	01096	88 ^p	6.0	1500 ^p		ANTIMONY, SUSPENDED	UG/L	Metal
7440360	01097	88 ^p	6.0	1500 ^p		ANTIMONY, TOTAL	UG/L	Metal
7440439	01113	3.9 ⁺	5.0	43		CADMIUM, TOTAL RECOVERABLE IN WATER AS CD	UG/L	Metal
7439921	01114	82 ⁺	15 ^a	220		LEAD, TOTAL RECOVERABLE IN WATER AS PB	UG/L	Metal
7440473	01118		100			CHROMIUM TOTAL RECOVERABLE IN WATER AS CR	UG/L	Metal
7440508	01119	18 ⁺	1300 ^a	2.9		COPPER, TOTAL RECOVERABLE IN WATER AS CU	UG/L	Metal
7440280	01124	1400 [*]	2.0	2130 [*]		THALLIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
7440280	01128	1400 [*]	2.0	2130 [*]		THALLIUM, TOTAL RECOVERABLE <95%	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	01145	20	50	300		SELENIUM, DISSOLVED	UG/L	Metal
7782492	01146	20	50	300		SELENIUM, SUSPENDED	UG/L	Metal
7782492	01147	20	50	300		SELENIUM, TOTAL	UG/L	Metal
7782492	01167	20	50	300		SELENIUM, ACID SOLUBLE, WATER, WHOLE	UG/L	Metal
18540299	01220	16	100	1100		CHROMIUM, HEXAVALENT, DISSOLVED	UG/L	Metal
7440360	01268	88 ^p	6.0	1500 ^p		ANTIMONY (SB), WATER, TOTAL RECOVERABLE	UG/L	Metal
57125	01291	22	200	1.0		CYANIDE, FILTERABLE, TOTAL IN WATER	UG/L	General Inorganic
7440666	01303	0.120 ⁺	5.0 ^s	0.095		ZINC, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440224	01304	0.0041 ⁺	0.1 ^s	0.00012		SILVER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
7440508	01306	0.018 ⁺	1.3 ^a	0.0029		COPPER, POTENTIALLY DISSOLVED WATER	MG/L	Metal
18540299	01307	0.016	0.1	1.1		CHROMIUM, HEXAVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7440382	01309	0.36	0.05	0.069		ARSENIC, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440393	01311		2.0			BARIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440417	01312	0.13 [*]	0.004			BERYLLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440439	01313	0.0039 ⁺	0.005	0.043		CADMIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
16065831	01314	1.7 ⁺	0.1	10.3 [*]		CHROMIUM, TRIVALENT, POTENTIALLY DISSOLVED	MG/L	Metal
7439921	01318	0.082 ⁺	0.015 ^a	0.220		LEAD, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7439976	01321	0.0024	0.002	0.0021		MERCURY, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440020	01322	1.4 ⁺	0.1	0.075		NICKEL, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7782492	01323	0.020	0.050	0.300		SELENIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440280	01324	1.4 [*]	0.002	2.13 [*]		THALLIUM, POTENTIALLY, DISSOLVED, WATER	MG/L	Metal
7440611	01326		0.020 ^c			URANIUM, POTENTIALLY DISSOLVED, WATER	MG/L	Metal
7440224	01523	4.1 ⁺	100 ^s	0.12		SILVER, IONIC	UG/L	Metal
50328	03648		0.2			BENZO (A) PYRENE, LIQUID FRACTION, ELUTRIATE	UG/L	General Organic
122349	04035		4.0			SIMAZINE, DISSOLVED, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
10028178	04124		20 ^r			TRITIUM, TOTAL, WATER	PC/ML	Radiological
10028178	07000		20000 ^r			TRITIUM, TOTAL	PC/L	Radiological
10028178	07005		20000 ^r			TRITIUM, DISSOLVED	PC/L	Radiological
10028178	07010		20000 ^r			TRITIUM, SUSPENDED	PC/L	Radiological
	09501		5.0			RADIUM 226, TOTAL	PC/L	Radiological
	09503		5.0			RADIUM 226, DISSOLVED	PC/L	Radiological
	09505		5.0			RADIUM 226, SUSPENDED	PC/L	Radiological
	11500		5.0			RADIUM 226 + RADIUM 228, DISSOLVED	PC/L	Radiological
	11501		5.0			RADIUM 228, TOTAL	PC/L	Radiological
	11503		5.0			RADIUM 226 + RADIUM 228, TOTAL	PC/L	Radiological
10098972	13501		8.0 ^r			STRONTIUM 90, TOTAL	PC/L	Radiological
10098972	13503		8.0 ^r			STRONTIUM 90, DISSOLVED	PC/L	Radiological
10098972	13505		8.0 ^r			STRONTIUM 90, SUSPENDED	PC/L	Radiological
7782492	22675	20	50	300		SELENIUM, DISSOLVED ORGANIC	UG/L	Metal
7782492	22676	20	50	300		SELENIUM, HEXAVALENT, DISSOLVED	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782492	22677	20	50	300		SELENIUM, TETRAVALENT, DISSOLVED	UG/L	Metal
7440382	22678	360	50	69		ARSENIC, DISSOLVED ORGANIC	UG/L	Metal
7440382	22679	850*	50	2319*		ARSENIC, PENTAVALENT,DISSOLVED	UG/L	Metal
7440382	22680	360	50	69		ARSENIC, TRIVALENT, DISSOLVED	UG/L	Metal
7440611	22703		20 ^c			URANIUM, NATURAL DISSOLVED	UG/L	Metal
7440611	22705		20 ^c			URANIUM, NATURAL SUSPENDED	UG/L	Metal
7440611	22706		20 ^c			URANIUM, TOTAL AS U308	UG/L	Metal
7440611	22708		0.020 ^c			URANIUM, NATURAL, TOTAL	MG/L	Radiological
7440611	28011		20 ^c			URANIUM, NATURAL, TOTAL	UG/L	Radiological
88857	30191		7.0			DINOSEB, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
75990	30200		200			DALAPON, WATER, WHOLE RECOVERABLE	UG/L	Pesticide
106934	30203		0.05			ETHANE, 1,2-DIBROMO-, WATER, WHOLE, RECOVERABLE	UG/L	Pesticide
	31501		1.0 ^a		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED.	CFU/100ML	Bacteriological
	31503		1.0 ^a		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, DELAY. M-ENDO	CFU/100ML	Bacteriological
	31504		1.0 ^a		1000 ^b	COLIFORM, TOTAL, MEMBRANE FILTER, IMMED. LES-ENDO	CFU/100ML	Bacteriological
	31505		1.0 ^a		1000 ^b	COLIFORM, TOTAL, MPN, CONF. TEST 35C (TUBE 31506)	MPN/100ML	Bacteriological
	31506		1.0 ^a		1000 ^b	COLIFORM, TOTAL, MPN, CONF. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31507		1.0 ^a		1000 ^b	COLIFORM, TOTAL, MPN, COMP. TEST 35C (TUBE 31508)	MPN/100ML	Bacteriological
	31508		1.0 ^a		1000 ^b	COLIFORM, TOTAL, MPN, COMP. TEST, TUBE CONFIG	MPN/100ML	Bacteriological
	31613				200 [^]	FECAL COLIFORM, MEMBRANE FILTER, AGAR	CFU/100ML	Bacteriological

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
	31614				200^	FECAL COLIFORM, MPN, TUBE CONFIGURATION	MPN/100ML	Bacteriological
	31615				200^	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	MPN/100ML	Bacteriological
	31616				200^	FECAL COLIFORM, MEMBRANE FILTER, BROTH, 44.5C	CFU/100ML	Bacteriological
	31617				200^	FECAL COLIFORM, MPN, EIJKMAN, 44.5C (TUBE 31618)	MPN/100ML	Bacteriological
	31625				200^	FECAL COLIFORM, MF, M-FC, 0.7 UM	CFU/100ML	Bacteriological
	31648				126^	E. COLI, MTEC, MF	CFU/100ML	Bacteriological
	31649				33^	ENTEROCOCCI, ME, MF	CFU/100ML	Bacteriological
67663	32003	28900*	100 ^t			CARBON CHLOROFORM AND CARBON ALCOHOL EXTRS.,TOTAL	UG/L	General Organic
67663	32005	28900*	100 ^t			CARBON CHLOROFORM EXTRACTABLES	UG/L	General Organic
67663	32021	28900*	100 ^t			CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLES OF	UG/L	General Organic
67663	32022	28900*	100 ^t			CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES OF	UG/L	General Organic
75274	32101		100 ^t			BROMODICHLOROMETHANE, WHOLE WATER	UG/L	General Organic
56235	32102	35200*	5.0	50000*		CARBON TETRACHLORIDE, WHOLE WATER	UG/L	General Organic
107062	32103	118000*	5.0	113000*		1,2-DICHLOROETHANE,WHOLE WATER	UG/L	General Organic
75252	32104		100 ^t			BROMOFORM, WHOLE WATER	UG/L	General Organic
124481	32105		100 ^t			DIBROMOCHLOROMETHANE, WHOLE WATER	UG/L	General Organic
67663	32106	28900*	100 ^t			CHLOROFORM, WHOLE WATER	UG/L	General Organic
56235	32260	35.2*	0.005	50*		CARBON TETRACHLORIDE EXTRACTABLES	MG/L	General Organic
67663	32270	28.9*	0.1 ^t			CHLOROFORM EXTRACTABLES TOTAL	MG/L	General Organic
108883	34010	17500*	1000	6300*		TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
1330207	34020		10000			XYLENES IN WTR SMPLE GC-MS, HEXADECONE EXTR.	UG/L	General Organic
83329	34205	1700*		970*		ACENAPHTHENE, TOTAL	UG/L	General Organic
83329	34206	1700*		970*		ACENAPHTHENE, DISSOLVED	UG/L	General Organic
83329	34207	1700*		970*		ACENAPHTHENE, SUSPENDED	UG/L	General Organic
107028	34210	68*		55*		ACROLEIN, TOTAL	UG/L	Pesticide
107028	34211	68*		55*		ACROLEIN, DISSOLVED	UG/L	Pesticide
107028	34212	68*		55*		ACROLEIN, SUSPENDED	UG/L	Pesticide
107131	34215	7550*				ACRYLONITRILE, TOTAL	UG/L	General Organic
107131	34216	7550*				ACRYLONITRILE, DISSOLVED	UG/L	General Organic
107131	34217	7550*				ACRYLONITRILE, SUSPENDED	UG/L	General Organic
71432	34235	5300*	5.0	5100*		BENZENE, DISSOLVED	UG/L	General Organic
71432	34236	5300*	5.0	5100*		BENZENE, SUSPENDED	UG/L	General Organic
92875	34239	2500*				BENZIDINE, DISSOLVED	UG/L	General Organic
92875	34240	2500*				BENZIDINE, SUSPENDED	UG/L	General Organic
58899	34265	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, DISSOLVED	UG/L	Pesticide
58899	34266	2.0	0.2	0.16		R-BHC (LINDANE) GAMMA, SUSPENDED	UG/L	Pesticide
75252	34288		100 ^t			BROMOFORM, DISSOLVED	UG/L	General Organic
75252	34289		100 ^t			BROMOFORM, SUSPENDED	UG/L	General Organic
56235	34297	35200*	5.0	50000*		CARBON TETRACHLORIDE, DISSOLVED	UG/L	General Organic
56235	34298	35200*	5.0	50000*		CARBON TETRACHLORIDE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108907	34301		100			CHLOROBENZENE, TOTAL	UG/L	General Organic
108907	34302		100			CHLOROBENZENE, DISSOLVED	UG/L	General Organic
108907	34303		100			CHLOROBENZENE, SUSPENDED	UG/L	General Organic
124481	34306		100 ^t			CHLORODIBROMOMETHANE, TOTAL	UG/L	General Organic
124481	34307		100 ^t			CHLORODIBROMOMETHANE, DISSOLVED	UG/L	General Organic
124481	34308		100 ^t			CHLORODIBROMOMETHANE, SUSPENDED	UG/L	General Organic
67663	34316	28900*	100 ^t			CHLOROFORM, DISSOLVED	UG/L	General Organic
67663	34317	28900*	100 ^t			CHLOROFORM, SUSPENDED	UG/L	General Organic
57125	34325	0.022	0.2	0.001		CYANIDE, SUSPENDED	MG/L	General Inorganic
75274	34328		100 ^t			DICHLOROBROMOMETHANE, DISSOLVED	UG/L	General Organic
75274	34329		100 ^t			DICHLOROBROMOMETHANE, SUSPENDED	UG/L	General Organic
122667	34346	270*				1,2-DIPHENYLHYDRAZINE, TOTAL	UG/L	General Organic
122667	34347	270*				1,2-DIPHENYLHYDRAZINE, DISSOLVED	UG/L	General Organic
122667	34348	270*				1,2-DIPHENYLHYDRAZINE, SUSPENDED	UG/L	General Organic
33213659	34356	0.22		0.034		ENDOSULFAN, BETA, TOTAL	UG/L	Pesticide
33213659	34357	0.22		0.034		ENDOSULFAN, BETA, DISSOLVED	UG/L	Pesticide
33213659	34358	0.22		0.034		ENDOSULFAN, BETA, SUSPENDED	UG/L	Pesticide
959988	34361	0.22		0.034		ENDOSULFAN, ALPHA, TOTAL	UG/L	Pesticide
959988	34362	0.22		0.034		ENDOSULFAN, ALPHA, DISSOLVED	UG/L	Pesticide
959988	34363	0.22		0.034		ENDOSULFAN, ALPHA, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
100414	34371	32000*	700	430*		ETHYLBENZENE, TOTAL	UG/L	General Organic
100414	34372	32000*	700	430*		ETHYLBENZENE, DISSOLVED	UG/L	General Organic
100414	34373	32000*	700	430*		ETHYLBENZENE, SUSPENDED	UG/L	General Organic
206440	34376	3980*		40*		FLUORANTHENE, TOTAL	UG/L	General Organic
206440	34377	3980*		40*		FLUORANTHENE, DISSOLVED	UG/L	General Organic
206440	34378	3980*		40*		FLUORANTHENE, SUSPENDED	UG/L	General Organic
77474	34386	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, TOTAL	UG/L	General Organic
77474	34387	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, DISSOLVED	UG/L	General Organic
77474	34388	7.0*	50	7.0*		HEXACHLOROCYCLOPENTADIENE, SUSPENDED	UG/L	General Organic
87683	34391	90*		32*		HEXACHLOROBUTADIENE, TOTAL	UG/L	General Organic
87683	34392	90*		32*		HEXACHLOROBUTADIENE, DISSOLVED	UG/L	General Organic
87683	34393	90*		32*		HEXACHLOROBUTADIENE, SUSPENDED	UG/L	General Organic
67721	34396	980*		940*		HEXACHLOROETHANE, TOTAL	UG/L	General Organic
67721	34397	980*		940*		HEXACHLOROETHANE, DISSOLVED	UG/L	General Organic
67721	34398	980*		940*		HEXACHLOROETHANE, SUSPENDED	UG/L	General Organic
118741	34401	6.0 ^p	1.0			HEXACHLOROBENZENE, DISSOLVED	UG/L	General Organic
118741	34402	6.0 ^p	1.0			HEXACHLOROBENZENE, SUSPENDED	UG/L	General Organic
193395	34403		0.40 ^c			INDENO (1,2,3-CD) PYRENE, TOTAL	UG/L	General Organic
193395	34404		0.40 ^c			INDENO (1,2,3-CD) PYRENE, DISSOLVED	UG/L	General Organic
193395	34405		0.40 ^c			INDENO (1,2,3-CD) PYRENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
78591	34408	117000*		12900*		ISOPHORONE, TOTAL	UG/L	Pesticide
78591	34409	117000*		12900*		ISOPHORONE, DISSOLVED	UG/L	Pesticide
78591	34410	117000*		12900*		ISOPHORONE, SUSPENDED	UG/L	Pesticide
75092	34423		5.0			METHYLENE CHLORIDE, TOTAL	UG/L	General Organic
75092	34424		5.0			METHYLENE CHLORIDE, DISSOLVED	UG/L	General Organic
75092	34425		5.0			METHYLENE CHLORIDE, SUSPENDED	UG/L	General Organic
91203	34443	2300*		2350*		NAPHTHALENE, DISSOLVED	UG/L	General Organic
91203	34444	2300*		2350*		NAPHTHALENE, SUSPENDED	UG/L	General Organic
98953	34447	27000*		6680*		NITROBENZENE, TOTAL	UG/L	General Organic
98953	34448	27000*		6680*		NITROBENZENE, DISSOLVED	UG/L	General Organic
98953	34449	27000*		6680*		NITROBENZENE, SUSPENDED	UG/L	General Organic
59507	34452	30*				PARACHLOROMETA CRESOL, TOTAL	UG/L	General Organic
59507	34453	30*				PARACHLOROMETA CRESOL, DISSOLVED	UG/L	General Organic
59507	34454	30*				PARACHLOROMETA CRESOL, SUSPENDED	UG/L	General Organic
87865	34459	20***	1.0	13		PCP (PENTACHLOROPHENOL), DISSOLVED	UG/L	Pesticide
87865	34460	20***	1.0	13		PCP (PENTACHLOROPHENOL), SUSPENDED	UG/L	Pesticide
85018	34461	30 ^p		7.7 ^p		PHENANTHRENE, TOTAL	UG/L	General Organic
85018	34462	30 ^p		7.7 ^p		PHENANTHRENE, DISSOLVED	UG/L	General Organic
85018	34463	30 ^p		7.7 ^p		PHENANTHRENE, SUSPENDED	UG/L	General Organic
108952	34466	10200*		5800*		PHENOL, DISSOLVED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
108952	34467	10200*		5800*		PHENOL, SUSPENDED	UG/L	General Organic
127184	34475	5280*	5.0	10200*		TETRACHLOROETHYLENE, TOTAL	UG/L	General Organic
127184	34476	5280*	5.0	10200*		TETRACHLOROETHYLENE, DISSOLVED	UG/L	General Organic
127184	34477	5280*	5.0	10200*		TETRACHLOROETHYLENE, SUSPENDED	UG/L	General Organic
108883	34481	17500*	1000	6300*		TOLUENE, DISSOLVED	UG/L	General Organic
108883	34482	17500*	1000	6300*		TOLUENE, SUSPENDED	UG/L	General Organic
79016	34485	45000*	5.0	2000*		TRICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
79016	34486	45000*	5.0	2000*		TRICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
75014	34493		2.0			VINYL CHLORIDE, DISSOLVED	UG/L	General Organic
75014	34494		2.0			VINYL CHLORIDE, SUSPENDED	UG/L	General Organic
75354	34501		7.0			1,1-DICHLOROETHYLENE, TOTAL	UG/L	General Organic
75354	34502		7.0			1,1-DICHLOROETHYLENE, DISSOLVED	UG/L	General Organic
75354	34503		7.0			1,1-DICHLOROETHYLENE, SUSPENDED	UG/L	General Organic
71556	34506		200	31200*		1,1,1-TRICHLOROETHANE, TOTAL	UG/L	General Organic
71556	34507		200	31200*		1,1,1-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
71556	34508		200	31200*		1,1,1-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79005	34511		5.0			1,1,2-TRICHLOROETHANE, TOTAL	UG/L	General Organic
79005	34512		5.0			1,1,2-TRICHLOROETHANE, DISSOLVED	UG/L	General Organic
79005	34513		5.0			1,1,2-TRICHLOROETHANE, SUSPENDED	UG/L	General Organic
79345	34516			9020*		1,1,2,2-TETRACHLOROETHANE, TOTAL	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
79345	34517			9020*		1,1,2,2-TETRACHLOROETHANE, DISSOLVED	UG/L	General Organic
79345	34518			9020*		1,1,2,2-TETRACHLOROETHANE, SUSPENDED	UG/L	General Organic
107062	34531	118000*	5.0	113000*		1,2-DICHLOROETHANE, TOTAL	UG/L	General Organic
107062	34532	118000*	5.0	113000*		1,2-DICHLOROETHANE, DISSOLVED	UG/L	General Organic
107062	34533	118000*	5.0	113000*		1,2-DICHLOROETHANE, SUSPENDED	UG/L	General Organic
95501	34536		600			1,2-DICHLOROBENZENE, TOTAL	UG/L	General Organic
95501	34537		600			1,2-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
95501	34538		600			1,2-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
78875	34541		5.0			1,2-DICHLOROPROPANE, TOTAL	UG/L	General Organic
78875	34542		5.0			1,2-DICHLOROPROPANE, DISSOLVED	UG/L	General Organic
78875	34543		5.0			1,2-DICHLOROPROPANE, SUSPENDED	UG/L	General Organic
156605	34546		100			TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER	UG/L	General Organic
156605	34547		100			TRANS-1,2-DICHLOROETHENE, DISSOLVED	UG/L	General Organic
156605	34548		100			TRANS-1,2-DICHLOROETHENE, SUSPENDED	UG/L	General Organic
120821	34551		70			1,2,4-TRICHLOROBENZENE, TOTAL	UG/L	General Organic
120821	34552		70			1,2,4-TRICHLOROBENZENE, DISSOLVED	UG/L	General Organic
120821	34553		70			1,2,4-TRICHLOROBENZENE, SUSPENDED	UG/L	General Organic
541731	34566		600			1,3-DICHLOROBENZENE, TOTAL	UG/L	General Organic
541731	34567		600			1,3-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
541731	34568		600			1,3-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
106467	34571		75			1,4-DICHLOROBENZENE, TOTAL	UG/L	General Organic
106467	34572		75			1,4-DICHLOROBENZENE, DISSOLVED	UG/L	General Organic
106467	34573		75			1,4-DICHLOROBENZENE, SUSPENDED	UG/L	General Organic
95578	34586	4380*				2-CHLOROPHENOL, TOTAL	UG/L	General Organic
95578	34587	4380*				2-CHLOROPHENOL, DISSOLVED	UG/L	General Organic
95578	34588	4380*				2-CHLOROPHENOL, SUSPENDED	UG/L	General Organic
120832	34601	2020*				2,4-DICHLOROPHENOL, TOTAL	UG/L	General Organic
120832	34602	2020*				2,4-DICHLOROPHENOL, DISSOLVED	UG/L	General Organic
120832	34603	2020*				2,4-DICHLOROPHENOL, SUSPENDED	UG/L	General Organic
105679	34606	2120*				2,4-DIMETHYLPHENOL, TOTAL	UG/L	General Organic
105679	34607	2120*				2,4-DIMETHYLPHENOL, DISSOLVED	UG/L	General Organic
105679	34608	2120*				2,4-DIMETHYLPHENOL, SUSPENDED	UG/L	General Organic
121142	34611	330*		590*		2,4-DINITROTOLUENE, TOTAL	UG/L	General Organic
121142	34612	330*		590*		2,4-DINITROTOLUENE, DISSOLVED	UG/L	General Organic
121142	34613	330*		590*		2,4-DINITROTOLUENE, SUSPENDED	UG/L	General Organic
72548	34651	0.6*		3.6*		P,P'-DDD, DISSOLVED	UG/L	Pesticide
72548	34652	0.6*		3.6*		P,P'-DDD, SUSPENDED	UG/L	Pesticide
72559	34653	1050*		14*		P,P'-DDE, DISSOLVED	UG/L	Pesticide
72559	34654	1050*		14*		P,P'-DDE, SUSPENDED	UG/L	Pesticide
50293	34655	1.1		0.13		P,P'-DDT, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
50293	34656	1.1		0.13		P,P'-DDT, SUSPENDED	UG/L	Pesticide
1746016	34675	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), TOT	UG/L	General Organic
1746016	34676	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), DISS	UG/L	General Organic
1746016	34677	0.01*	0.00003			2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), SUSP	UG/L	General Organic
108952	34694	10200*		5800*		PHENOL (C6H5OH) - SINGLE COMPOUND, TOTAL	UG/L	General Organic
91203	34696	2300*		2350*		NAPHTHALENE, TOTAL	UG/L	General Organic
75990	38432		200			DALAPON, WATER, TOTAL	UG/L	Pesticide
75990	38433		200			DALAPON, WATER, DISSOLVED	UG/L	Pesticide
75990	38434		200			DALAPON, WATER, SUSPENDED	UG/L	Pesticide
96128	38437		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL	UG/L	Pesticide
96128	38438		0.2			DIBROMOCHLOROPROPANE, WATER, DISSOLVED	UG/L	Pesticide
96128	38439		0.2			DIBROMOCHLOROPROPANE WATER, SUSPENDED	UG/L	Pesticide
96128	38760		0.2			DBCP, WATER, TOTAL	UG/L	Pesticide
96128	38761		0.2			DBCP, WATER, DISSOLVED	UG/L	Pesticide
96128	38762		0.2			DBCP, WATER, SUSPENDED	UG/L	Pesticide
88857	38779		7.0			DINOSEB, DISSOLVED	UG/L	Pesticide
88857	38780		7.0			DINOSEB, SUSPENDED	UG/L	Pesticide
23135220	38865		200			OXAMYL, TOTAL	UG/L	Pesticide
23135220	38866		200			OXAMYL, DISSOLVED	UG/L	Pesticide
23135220	38867		200			OXAMYL, SUSPENDED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
145733	38926		100			ENDOTHALL, WHOLE WATER SAMPLE	UG/L	Pesticide
2921882	38932	0.083		0.011		CHLORPYRIFOS, TOTAL RECOVERABLE	UG/L	Pesticide
2921882	38933	0.083		0.011		CHLORPYRIFOS, DISSOLVED	UG/L	Pesticide
2163806	38935		50			MONOSODIUM METHANEARSONATE (MSMA)	UG/L	Pesticide
2921882	39012	0.083		0.011		DURSBAN, FLAME PHOTOMETRIC, WATER SAMPLE	UG/L	Pesticide
56382	39015	0.065				ETHYLPARATHION, FLAME IONIFICATION, WATER SAMPLE	UG/L	Pesticide
122349	39025		4.0			SIMAZINE, COULSON CONDUCTIVITY WATER SAMPLE	UG/L	Pesticide
87865	39032	20***	1.0	13		PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39033		3.0			ATRAZINE IN WHOLE WATER SAMPLE	UG/L	Pesticide
118741	39039	6.0 ^b	1.0			HEXACHLOROBENZENE WATER SAMPLE, ELECTRON CPT	UG/L	Pesticide
93721	39045		50			2,4,5-TP INCLUDES ACIDS & SALTS WATER SAMPLE	UG/L	Pesticide
116063	39053		3.0			ALDICARB IN WHOLE WATER	UG/L	Pesticide
122349	39055		4.0			SIMAZINE IN WHOLE WATER	UG/L	Pesticide
117817	39100	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER	UG/L	General Organic
117817	39103	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED	UG/L	General Organic
117817	39104	2000*	6.0			BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED	UG/L	General Organic
	39117	0.94*		2.994*		PHTHALATE ESTERS IN WATER	MG/L	General Organic
75014	39175		2.0			VINYL CHLORIDE-WHOLE WATER SAMPLE	UG/L	General Organic
79016	39180	45000*	5.0	2000*		TRICHLOROETHYLENE-WHOLE WATER SAMPLE	UG/L	General Organic
50293	39300	1.1		0.13		P,P' DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
72548	39310	0.6*		3.6*		P,P' DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39320	1050*		14*		P,P' DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39330	3.0		1.3		ALDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
309002	39331	3.0		1.3		ALDRIN IN FILT. FRAC. OF WAT. SAMP.	UG/L	Pesticide
309002	39332	3.0		1.3		ALDRIN IN SUSP. FRAC. OF WAT. SAMP.	UG/L	Pesticide
58899	39340	2.0	0.2	0.16		GAMMA-BHC(LINDANE), WHOLE WATER	UG/L	Pesticide
58899	39341	2.0	0.2	0.16		GAMMA-BHC(LINDANE), DISSOLVED	UG/L	Pesticide
58899	39342	2.0	0.2	0.16		GAMMA-BHC(LINDANE), SUSPENDED	UG/L	Pesticide
57749	39350	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), WHOLE WATER	UG/L	Pesticide
57749	39352	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), DISSOLVED	UG/L	Pesticide
57749	39353	2.4	2.0	0.09		CHLORDANE(TECH MIX & METABS), SUSPENDED	UG/L	Pesticide
72548	39360	0.6*		3.6*		DDD IN WHOLE WATER SAMPLE	UG/L	Pesticide
72548	39361	0.6*		3.6*		DDD IN FILT. FRAC. OF WATER SMAPLE	UG/L	Pesticide
72548	39362	0.6*		3.6*		DDD IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39365	1050*		14*		DDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
72559	39366	1050*		14*		DDE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72559	39367	1050*		14*		DDE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39370	1.1		0.13		DDT IN WHOLE WATER SAMPLE	UG/L	Pesticide
50293	39371	1.1		0.13		DDT IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
50293	39372	1.1		0.13		DDT IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
60571	39380	2.5		0.71		DIELDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
60571	39381	2.5		0.71		DIELDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
60571	39382	2.5		0.71		DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
115297	39388	0.22		0.034		ENDOSULFAN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39390	0.18	2.0	0.037		ENDRIN IN WHOLE WATER SAMPLE	UG/L	Pesticide
72208	39391	0.18	2.0	0.037		ENDRIN IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
72208	39392	0.18	2.0	0.037		ENDRIN IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39400	0.73	3.0	0.21		TOXAPHENE IN WHOLE WATER SAMPLE	UG/L	Pesticide
8001352	39401	0.73	3.0	0.21		TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
8001352	39402	0.73	3.0	0.21		TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39410	0.52	0.4	0.053		HEPTACHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	39411	0.52	0.4	0.053		HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
76448	39412	0.52	0.4	0.053		HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1024573	39420	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1024573	39421	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN FILT. FRAC. WATER SAMPLE	UG/L	Pesticide
1024573	39422	0.52	0.2	0.053		HEPTACHLOR EPOXIDE IN SUSP. FRAC. WATER SAMPLE	UG/L	Pesticide
72435	39478		40			METHOXYCHLOR IN WHOLE WATER DISSOLVED	UG/L	Pesticide
72435	39479		40			METHOXYCHLOR IN WHOLE WATER SUSPENDED	UG/L	Pesticide
72435	39480		40			METHOXYCHLOR IN WHOLE WATER SAMPLE	UG/L	Pesticide
56382	39540	0.065				PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
56382	39542	0.065				PARATHION IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
56382	39543	0.065				PARATHION IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
1912249	39630		3.0			ATRAZINE(AATREX) IN WHOLE WATER SAMPLE	UG/L	Pesticide
1912249	39632		3.0			ATRAZINE DISSOLVED IN WATER	PPB	Pesticide
118741	39700	6.0 ^p	1.0			HEXACHLOROBENZENE IN WHOLE WATER SAMPLE	UG/L	General Organic
87683	39702	90*		32*		HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE	UG/L	General Organic
1918021	39720		500			PICLORAM IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39730		70			2,4-D IN WHOLE WATER SAMPLE	UG/L	Pesticide
94757	39732		70			2,4-D IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
94757	39733		70			2,4-D IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39760		50			SILVEX IN WHOLE WATER SAMPLE	UG/L	Pesticide
93721	39762		50			SILVEX IN FILT. FRAC. OF WATER SAMPLE	UG/L	Pesticide
93721	39763		50			SILVEX IN SUSP. FRAC. OF WATER SAMPLE	UG/L	Pesticide
58899	39782	2.0	0.2	0.16		LINDANE IN WHOLE WATER SAMPLE	UG/L	Pesticide
1071836	39941		700			ROUNDUP IN WHOLE WATER SAMPLE (GLYPHOSATE)	UG/L	Pesticide
7782505	45650	0.019		0.013		CHLORINE, IN ORGANIC COMPOUNDS, WATER, WHOLE	MG/L	General Inorganic
56382	46315	0.065				ETHYL PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
58899	46322	2.0	0.2	0.16		LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE	UG/L	Pesticide
76448	46326	0.52	0.4	0.053		HEPTACHLOR AND METABOLITES IN WHOLE H2O SAMPLE	UG/L	Pesticide
15972608	46342		2.0			ALACHLOR (LASSO), WATER, DISSOLVED	UG/L	Pesticide

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7782505	46472	0.019		0.013		CHLORINE, TOTAL RESIDUAL, AVERAGE VALUE, WATER	MG/L	General Inorganic
7782505	46473	0.019		0.013		CHLORINE, FREE AVAILABLE, AVERAGE VALUE, WATER	MG/L	General Inorganic
57125	46479	22	200	1.0		CYANIDE, DISSOLVED, WATER	UG/L	General Inorganic
7440382	46551	360	50	69		ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILTERED	UG/L	Metal
7440393	46558		2000			BARIUM, FIELD ACIDIFIED W/HNO3-LAB FILT	UG/L	Metal
7440439	46559	3.9 ⁺	5.0	43		CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER	UG/L	Metal
7440473	46560		100			CHROMIUM, FIELD ACIDIFIED-HNO3-LAB FILT.	UG/L	Metal
7440508	46562	18 ⁺	1300 ^a	2.9		COPPER, FIELD ACIDIFIED-HNO3- LAB FILTER.	UG/L	Metal
7439921	46564	82 ⁺	15 ^a	220		LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED	UG/L	Metal
7440224	46566	4.1 ⁺	100 ^s	0.12		SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.	UG/L	Metal
7440666	46567	120 ⁺	5000 ^s	95		ZINC, EXTRACTABLE, FIELD ACID W/HNO3,LAB FILTR	UG/L	Metal
56382	49011	0.065				UNKNOWN AS PARATHION IN WHOLE WATER SAMPLE	UG/L	Pesticide
7782505	50058	0.019		0.013		CHLORINE DOSE	MG/L	General Inorganic
7782505	50060	0.019		0.013		CHLORINE, TOTAL RESIDUAL	MG/L	General Inorganic
7782505	50064	0.019		0.013		CHLORINE, FREE AVAILABLE	MG/L	General Inorganic
7782505	50066	0.019		0.013		CHLORINE, COMBINED AVAILABLE	MG/L	General Inorganic
7782505	50074	0.019		0.013		CHLORITE, WHOLE WATER	MG/L	General Inorganic
	61215				200 [^]	FECAL COLIFORM, GENERAL #/100ML	#/100ML	Bacteriological
16887006	70352	860	250 ^s			CHLORIDE, ORGANIC	MG/L	General Organic
14797558	71850		44			NITRATE NITROGEN, TOTAL (AS NO3)	MG/L	Nitrogen

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
14797558	71851		44			NITRATE NITROGEN, DISSOLVED (AS NO3)	MG/L	Nitrogen
14797650	71855		3.3			NITRITE NITROGEN, TOTAL (AS NO2)	MG/L	Nitrogen
14797650	71856		3.3			NITRITE NITROGEN, DISSOLVED (AS NO2)	MG/L	Nitrogen
7439976	71890	2.4	2.0	2.1		MERCURY, DISSOLVED	UG/L	Metal
7439976	71895	2.4	2.0	2.1		MERCURY, SUSPENDED	UG/L	Metal
7439976	71900	2.4	2.0	2.1		MERCURY, TOTAL	UG/L	Metal
7439976	71901	2.4	2.0	2.1		MERCURY, TOTAL RECOVERABLE IN WATER AS HG	UG/L	Metal
7440439	71946	3.9 ⁺	5.0	43		CADMUM, EXTRACTABLE	UG/L	Metal
7440473	71947		100			CHROMIUM, EXTRACTABLE	UG/L	Metal
7439921	71949	82 ⁺	15 ^a	220		LEAD, EXTRACTABLE	UG/L	Metal
7440666	71950	120 ⁺	5000 ^s	95		ZINC, EXTRACTABLE	UG/L	Metal
7440508	71951	18 ⁺	1300 ^a	2.9		COPPER, EXTRACTABLE	UG/L	Metal
1336363	76011	2000	500	10000		PCBS, SUSPENDED, WATER	NG/L	General Organic
1336363	76012	2000	500	10000		PCBS, TOTAL RECOVERABLE, WATER	NG/L	General Organic
156592	77093		70			CIS-1,2-DICHLOROETHYLENE, WHOLE WATER	UG/L	General Organic
100425	77128		100			STYRENE, WHOLE WATER	UG/L	General Organic
106489	77296			29700*		P-CHLOROPHENOL, WHOLE WATER	UG/L	General Organic
106934	77651		0.05			1,2-DIBROMOETHANE, WHOLE WATER	UG/L	General Organic
95954	77687	100 ^p		240 ^p		2,4,5-TRICHLOROPHENOL, WHOLE WATER	UG/L	General Organic
935955	77769			440*		2,3,5,6-TETRACHLOROPHENOL, WHOLE WATER	UG/L	General Organic

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
103231	77903		400			BIS (2-ETHYLHEXYL) ADIPATE, WHOLE WATER	UG/L	General Organic
18540299	78247	16	100	1100		CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE	UG/L	Metal
57125	78248	22	200	1.0		CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE	UG/L	Metal
	78456	11*		12*		HALOMETHANES, SUMMATION, WHOLE WATER	MG/L	General Organic
14808798	78462		250 ^s			SULFATE, WATER, DISSOLVED AS S	MG/L	Metal
85007	78885		20			DIQUAT DIBROMIDE (REGLONE) WHOLE WATER SAMPLE	UG/L	Pesticide
7440611	80020		20 ^c			URANIUM, DISS. BY EXTRACTION FLUOROMETRIC	UG/L	Radiological
16065831	80357	1700	100	10300*		CHROMIUM, TRIVALENT, DISSOLVED	UG/L	Metal
57125	81208	0.022	0.2	0.001		CYANIDE, FREE (NOT AMENABLE TO CHLORINATION)	MG/L	General Inorganic
608731	81283	100*		0.34*		BENZENEHEXACHLORIDE, WHOLE WATER	UG/L	Pesticide
88857	81287		7.0			DNBP(C10H12N2O5), WHOLE WATER SAMPLE	UG/L	Pesticide
26638197	81327	23000*	5.0	10300*		DICHLOROPROPANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81333	1120*		1970*		DICHLOROBENZENE ISOMER, WHOLE WATER SAMPLE	UG/L	General Organic
2921882	81403	0.083		0.011		DURSBAN (CHLOROPYRIFOS) WHOLE WATER SAMPLE	UG/L	Pesticide
1563662	81405		40			CARBOFURAN (EURADAN) WHOLE WATER SAMPLE	UG/L	Pesticide
76017	81501	7240*		390*		PENTACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
25321226	81524	1120*		1970*		DICHLOROBENZENE, WHOLE WATER SAMPLE	UG/L	General Organic
25322207	81549	9320*				TETRACHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
26638197	81703	23*	0.005*	10.3*		DICHLOROPROPANE, WHOLE WATER SAMPLE	MG/L	General Organic
7440508	81750	18 ⁺	1300 ^a	2.9		COPPER, INTERSTITIAL WATERFROM SEDIMENTS	UG/L	Metal

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
7440020	81752	1400 ⁺	100	75		NICKEL, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
7440666	81754	120 ⁺	5000 ^s	95		ZINC, INTERSTITIAL WATER FROM SEDIMENTS	UG/L	Metal
25323891	81853	18000 [*]				TRICHLOROETHANE, WHOLE WATER SAMPLE	UG/L	General Organic
7439976	81931	2.4	2.0	2.1		MERCURY (HG) SUSPENDED FRACTION OF WATER	UG/G	Metal
7440666	81933	120 ⁺	5000 ^s	95		ZINC (ZN) SUSPENDED FRACTION OF WATER	UG/G	Metal
7439921	81936	82 ⁺	15 ^a	220		LEAD (PB) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440439	81937	3.9 ⁺	5.0	43		CADMUM (CD) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81938		100			CHROMIUM (CR) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440508	81939	18 ⁺	1300 ^a	2.9		COPPER (CU) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440666	81940	120 ⁺	5000 ^s	95		ZINC (ZN) DISSOLVED CATIONIC SPECIES	UG/L	Metal
7440473	81941		100			CHROMIUM (CR) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440508	81942	18 ⁺	1300 ^a	2.9		COPPER (CU) DISSOLVED ANIONIC SPECIES	UG/L	Metal
7440666	81943	120 ⁺	5000 ^s	95		ZINC (ZN) DISSOLVED ANIONIC SPECIES	UG/L	Metal
	82078			50 ^f	TURBIDITY, FIELD	NTU	Physical	
	82079			50 ^f	TURBIDITY, LAB	NTU	Physical	
88857	82226		7.0		2 SECONDARY BUTYL 4,6-DINITROPHENOL	UG/L	Pesticide	
16887006	82295	860000	250000 ^s		CHLORIDE DISSOLVED AS CL IN WATER	UG/L	General Inorganic	
72435	82350		40		METHOXYCHLOR, DISSOLVED IN WATER	UG/L	Pesticide	
72435	82351		40		METHOXYCHLOR, SUSPENDED IN WATER	UG/L	Pesticide	
115297	82354	0.22		0.034	ENDOSULFAN, DISSOLVED IN WATER	UG/L	Pesticide	

C.A.S. Number	STORET Code	FRESH ACUTE	DRINKING WATER	MARINE ACUTE	OTHER	PARAMETER DESCRIPTION	UNITS	CATEGORY
115297	82355	0.22		0.034		ENDOSULFAN, SUSPENDED IN WATER	UG/L	Pesticide
57125	82573	0.022	0.2	0.001		CYANIDE/CHLORINATION IN WATER	MG/L	General Inorganic
1646873	82586		4.0			ALDICARB SULFOXIDE, WATER, TOTAL RECOVERABLE	UG/L	General Organic
1646884	82587		2.0			ALDICARB SULFONE, WHOLE WATER, TOTAL RECOVERABLE	UG/L	General Organic
23135220	82613		200			OXAMYL, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
1563662	82615		40			CARBOFURAN, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
116063	82619		3.0			ALDICARB, WHOLE WATER, TOTAL RECOVERABLE	UG/L	Pesticide
33213659	82624	0.22		0.034		ENDOSULFAN, BETA, WH WATER, TOTAL RECOVERABLE	UG/L	Pesticide
96128	82625		0.2			DIBROMOCHLOROPROPANE, WATER, TOTAL RECOVERABLE	UG/L	Pesticide
7440382	82702	360	50	69		ARSENIC, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440393	82703		2			BARIUM, FIELD ACIDIFIED, DECANTED, WATER	MG/L	Metal
7440417	82704	130 [*]	4.0			BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440439	82705	3.9 ⁺	5.0	43		CADMIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440473	82706		100			CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440508	82708	18 ⁺	1300 ^a	2.9		COPPER, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7439921	82711	82 ⁺	15 ^a	220		LEAD, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7439976	82713	2.4	2.0	2.1		MERCURY, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440020	82715	1400 ⁺	100	75		NICKEL, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440224	82716	4.1 ⁺	100 ^s	0.12		SILVER, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal
7440666	82719	120 ⁺	5000 ^s	95		ZINC, FIELD ACIDIFIED, DECANTED, WATER	UG/L	Metal

Footnote Key:

^{*}Insufficient Data to Develop Criteria. Value Presented is the L.O.E.L. - Lowest Observed Effect Level.

⁺Hardness Dependent Criteria (100 mg/L CaCO₃ Used).

^{***}pH Dependent Criteria (7.8 pH Used).

⁼Rule of thumb criterion used by the NPS Air Quality Division for determining sensitivity to acid deposition.

[^]Freshwater bathing criterion, EPA geometric mean based on at least 5 samples equally spaced over a 30-day period; Enterococci marine water bathing criterion 35 CFU/100 ml.

[#]EPA freshwater aquatic life chronic criterion; marine criterion is ≤ 6.5 , ≥ 8.5 .

[!]Arizona state standard.

^aEPA action level, 40 CFR 141.80.

^bCalifornia and Florida state bathing water standards.

^cA Compilation of Water Quality Goals, California Regional Water Quality Control Board Central Valley Region, Sacramento, California, September, 1991.

ⁿTotal coliform drinking water maximum contaminant level (1 cfu/100ml or 1 mpn/100ml) was not used in water quality criteria comparisons.

^pProposed Criterion.

^rAverage annual concentration assumed to produce a total body or organ dose of 4 mrem/year, 40 CFR 141.16.

^sEPA National Secondary Drinking Water Regulation, 40 CFR 143.

^tThe maximum contaminant level for the sum of the concentrations of trihalomethanes is 100 µg/L, 40 CFR 141.12.

^uColdwater criterion one day minimum; warmwater criterion seven day mean minimum.

Appendix G

Inventory Data Evaluation and Analysis (IDEA) Servicewide Inventory and Monitoring Program "Level I" Parameter Groups

The following table provides the Servicewide Inventory and Monitoring Program's "Level I" water quality inventory parameter groups (National Park Service 1993). In order to determine the presence and/or absence of data for each of these parameter groups in the park, the parameter groups had to be defined by STORET parameter codes. This table provides the STORET codes and parameter descriptions for each parameter comprising one of the Servicewide Inventory and Monitoring Program's "Level I" water quality parameter groups. Additional parameters could have been incorporated into each group, but an effort was made to represent each group with the parameters deemed to most likely occur in STORET and parks. The Toxic Elements Parameter Group was defined as the EPA's Clean Water Act Section 304(a) Priority Toxic Pollutants (40 CFR 131.36). Parameters are listed in ascending order of STORET code within each parameter group. It is important to note that similar parameters often have non-consecutive codes. Consequently, scanning the entire list is necessary to find all the parameters of a particular type (eg. lead, copper, etc.). Refer to the Parameter Period of Record Tabulation to obtain the STORET code for any parameter measured in the park.

STORET Code	Water Temperature Parameter Group	C.A.S. Number
00010	TEMPERATURE, WATER (DEGREES CENTIGRADE)	-
00011	TEMPERATURE, WATER (DEGREES FAHRENHEIT)	-
STORET Code	Flow Parameter Group ¹	C.A.S. Number
00056	FLOW RATE, GALLONS/DAY	-
00058	FLOW RATE, GALLONS/MIN.	-
00059	FLOW RATE, INSTANTANEOUS, GALLONS/MINUTE	-
00060	FLOW, STREAM, MEAN DAILY CFS	-
00061	FLOW, STREAM, INSTANTANEOUS CFS	-
00065	STAGE, STREAM (FEET)	-
00067	TIDE STAGE CODE	-
00072	STAGE, STREAM (METERS)	-

¹Tide stage is included in the Flow Parameter Group for coastal parks.

STORET Code	Clarity/Turbidity Parameter Group	C.A.S. Number
00070	TURBIDITY, (JACKSON CANDLE UNITS)	-
00075	TURBIDITY, HELLIGE (PPM AS SILICON DIOXIDE)	-
00076	TURBIDITY, HACH TURBIDIMETER (FORMAZIN TURB UNIT)	-
00077	TRANSPARENCY, SECCHI DISC (INCHES)	-
00078	TRANSPARENCY, SECCHI DISC (METERS)	-
00530	RESIDUE, TOTAL NONFILTRABLE (MG/L)	-
82078	TURBIDITY, FIELD NEPHELOMETRIC TURBIDITY UNITS NTU	-
82079	TURBIDITY, LAB NEPHELOMETRIC TURBIDITY UNITS, NTU	-
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STORET Code	Conductivity Parameter Group	C.A.S. Number
00094	SPECIFIC CONDUCTANCE, FIELD (UMHOS/CM @ 25C)	-
00095	SPECIFIC CONDUCTANCE (UMHOS/CM @ 25C)	-
00096	SALINITY AT 25 DEGREES C (MG/ML)	-
00480	SALINITY - PARTS PER THOUSAND	-
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STORET Code	Dissolved Oxygen Parameter Group	C.A.S. Number
00299	OXYGEN, DISSOLVED, ANALYSIS BY PROBE (MG/L)	7782447
00300	OXYGEN, DISSOLVED (MG/L)	7782447
00301	OXYGEN, DISSOLVED, PERCENT OF SATURATION	7782447
00389	OXYGEN, DISSOLVED, LAB ANAL. BY PROBE OF FIELD SAMPLE (MG/L)	7782447
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STORET Code	pH Parameter Group	C.A.S. Number
00400	PH (STANDARD UNITS)	-
00403	PH, LAB (STANDARD UNITS)	-
00406	PH, FIELD (STANDARD UNITS)	-

STORET Code	Alkalinity Parameter Group	C.A.S. Number
00409	ALKALINITY, TOTAL, LOW LEVEL GRAN ANALYSIS ($\mu\text{EQ/L}$)	471341
00410	ALKALINITY, TOTAL (MG/L AS CACO_3)	471341
00415	ALKALINITY, PHENOLPHTHALEIN (MG/L)	77098
00430	ALKALINITY, CARBONATE (MG/L AS CACO_3)	471341
00435	ACIDITY, TOTAL (MG/L AS CACO_3)	471341
00440	BICARBONATE ION (MG/L AS HCO_3)	71523
00445	CARBONATE ION (MG/L AS CO_3)	3812326
STORET Code	Nitrate/Nitrogen Parameter Group	C.A.S. Number
00600	NITROGEN, TOTAL (MG/L AS N)	17778880
00602	NITROGEN, DISSOLVED (MG/L AS N)	17778880
00605	NITROGEN, ORGANIC, TOTAL (MG/L AS N)	17778880
00607	NITROGEN, ORGANIC, DISSOLVED (MG/L AS N)	17778880
00608	NITROGEN, AMMONIA, DISSOLVED (MG/L AS N)	17778880
00610	NITROGEN, AMMONIA, TOTAL (MG/L AS N)	17778880
00612	AMMONIA, UNIONIZED (MG/L AS N)	7664417
00618	NITRATE NITROGEN, DISSOLVED (MG/L AS N)	17778880
00620	NITRATE NITROGEN, TOTAL (MG/L AS N)	17778880
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	17778880
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	17778880
00630	NITRITE PLUS NITRATE, TOTAL 1 DET. (MG/L AS N)	17778880
00631	NITRITE PLUS NITRATE, DISSOLVED 1 DET. (MG/L AS N)	17778880
71845	NITROGEN, AMMONIA, TOTAL (MG/L AS NH_4)	14798039
71846	NITROGEN, AMMONIA, DISSOLVED (MG/L AS NH_4)	14798039
71850	NITRATE NITROGEN, TOTAL (MG/L AS NO_3)	14797558
71851	NITRATE NITROGEN, DISSOLVED (MG/L AS NO_3)	14797558
71855	NITRITE NITROGEN, TOTAL (MG/L AS NO_2)	14797650
71856	NITRITE NITROGEN, DISSOLVED (MG/L AS NO_2)	14797650

Parameter Group		
STORET Code	Parameter Description	C.A.S. Number
00650	PHOSPHATE, TOTAL (MG/L AS PO4)	14265442
00655	PHOSPHATE, POLY (MG/L AS PO4)	14265442
00660	PHOSPHATE, ORTHO (MG/L AS PO4)	14265442
00665	PHOSPHORUS, TOTAL (MG/L AS P)	7723140
00666	PHOSPHORUS, DISSOLVED (MG/L AS P)	7723140
00670	PHOSPHORUS, TOTAL ORGANIC (MG/L AS P)	7723140
00671	PHOSPHORUS, DISSOLVED ORTHOPHOSPHATE (MG/L AS P)	7723140
70505	PHOSPHORUS, TOTAL, COLORIMETRIC METHOD (MG/L AS P)	7723140
70507	PHOSPHORUS, IN TOTAL ORTHOPHOSPHATE (MG/L AS P)	7723140
Parameter Group		
STORET Code	Parameter Description	C.A.S. Number
00900	HARDNESS, TOTAL (MG/L AS CACO3)	471341
00945	SULFATE, TOTAL (MG/L AS SO4)	14808798
00946	SULFATE, DISSOLVED (MG/L AS SO4)	14808798
70300	RESIDUE, TOTAL FILTRABLE (DRIED AT 180C), (MG/L)	-
Parameter Group		
STORET Code	Parameter Description	C.A.S. Number
32209	CHLOROPHYLL A (UG/L) FLUOROMETRIC CORRECTED	479618
32210	CHLOROPHYLL A (UG/L) TRICHROMATIC UNCORRECTED	479618
32211	CHLOROPHYLL A (UG/L) SPECTROPHOTOMETRIC ACID METH.	479618
32217	CHLOROPHYLL A (UG/L) FLUOROMETRIC UNCORRECTED	479618
32223	CHLOROPHYLL A (MG/M2) SPECTROPHOTOMETRIC CORRECTED	479618
32228	CHLOROPHYLL A (MG/M2) PERIPHYTON SPECTRO.	479618
32229	CHLOROPHYLL A (MG/M2) FLUOR. CORRECTED, SUBSTRATER	479618
32230	CHLOROPHYLL A (MG/L)	479618

STORET Code	Bacteria Parameter Group	C.A.S. Number
00111	RATIO OF FECAL COLIFORM TO FECAL STREPTOCOCCI	-
31501	COLIFORM, TOT, MEMBRANE FILTER, IMMED., M-ENDO MED,35C	-
31503	COLIFORM, TOT, MEMBRANE FILTER, DELAY, M-ENDO MED, 35C	-
31504	COLIFORM, TOT, MEMBRANE FILTER, IMMED., LES-ENDO AGAR, 35C	-
31505	COLIFORM, TOT, MPN, CONFIRMED TEST,35C(TUBE 31506)	-
31506	COLIFORM, TOT, MPN, CONFIRMED TEST, TUBE CONFIG.	-
31507	COLIFORM, TOT, MPN, COMPLETED TEST,35C(TUBE 31508)	-
31508	COLIFORM, TOT, MPN, COMPLETED TEST, TUBE CONFIG.	-
31613	FECAL COLIFORM, MEMBR, FILTER,M-FC AGAR,44.5C,24HR	-
31614	FECAL COLIFORM, MPN, TUBE CONFIGURATION	-
31615	FECAL COLIFORM, MPN, EC MED, 44.5C (TUBE 31614)	-
31616	FECAL COLIFORM, MEMBR FILTER, M-FC BROTH, 44.5C	-
31617	FECAL COLIFORM, MPN,EIJKMAN TEST,44.5C(TUBE 31618)	-
31625	FECAL COLIFORM, MF, M-FC, 0.7 UM	-
31648	E. COLI - MTEC-MF	-
31649	ENTEROCOCCI- ME-MF	-
31673	FECAL STREPTOCOCCI, MBR FILT, KF AGAR, 35C, 48HR	-
31676	FECAL STREPTOCOCCI, MPN, KF BROTH, TUBE CONFIG.	-
31677	FECAL STREPTOCOCCI, MPN, AD-EVA, 35C (TUBE 31678)	-
31751	PLATE COUNT, TOTAL, TPC AGAR, 35C, 24 HRS	-
61214	FECAL STREPTOCOCCI, GENERAL #/100ML	-
61215	FECAL COLIFORM, GENERAL #/100ML	-

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants)	C.A.S. Number
00718	CYANIDE, WEAK ACID, DISSOC. WATER, WHOLE (UG/L)	57125
00719	CYANIDE, FREE, IN WATER & WASTEWATERS, HBG (UG/L)	57125
00720	CYANIDE, TOTAL (MG/L AS CN)	57125
00722	CYANIDE, FREE (AMENABLE TO CHLORINATION) (MG/L)	57125

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
00723	CYANIDE, DISSOLVED STD METHOD (UG/L)	57125
00724	CYANIDE COMPLEXED TO A RANGE OF COMPNDS (UG/L)	57125
00969	CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00973	AMPHIBOLE ASBESTOS FIBERS/LITER	1332214
00976	AMBIGUOUS ASBESTOS FIBERS/LITER	1332214
00977	NON-AMPHIBOLE NON-CHRYSOTILE ASBESTOS FIBERS/LITER	1332214
00978	ARSENIC, TOTAL RECOVERABLE IN WATER AS AS	7440382
00981	SELENIUM, TOTAL RECOVERABLE IN WATER AS SE (UG/L)	7782492
00982	THALLIUM, TOTAL RECOVERABLE IN WATER AS (UG/L)	7440280
00990	SELENITE, TOTAL RECOVERABLE INORGANIC (UG/L)	7782492
00991	ARSENIC, TOTAL RECOVER. TRIVALENT INORGANIC (UG/L)	7440382
00995	ARSENIC, INORGANIC DISSOLVED (UG/L AS AS)	7440382
00996	ARSENIC, INORGANIC SUSPENDED (UG/L AS AS)	7440382
00997	ARSENIC, INORGANIC TOTAL (UG/L AS AS)	7440382
00998	BERYLLIUM, TOTAL RECOVERABLE IN WATER AS BE (UG/L)	7440417
01000	ARSENIC, DISSOLVED (UG/L AS AS)	7440382
01001	ARSENIC, SUSPENDED (UG/L AS AS)	7440382
01002	ARSENIC, TOTAL (UG/L AS AS)	7440382
01010	BERYLLIUM, DISSOLVED (UG/L AS BE)	7440417
01011	BERYLLIUM, SUSPENDED (UG/L AS BE)	7440417
01012	BERYLLIUM, TOTAL (UG/L AS BE)	7440417
01025	CADMIUM, DISSOLVED (UG/L AS CD)	7440439
01026	CADMIUM, SUSPENDED (UG/L AS CD)	7440439
01027	CADMIUM, TOTAL (UG/L AS CD)	7440439
01030	CHROMIUM, DISSOLVED (UG/L AS CR)	7440473
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	7440473
01032	CHROMIUM, HEXAVALENT (UG/L AS CR)	7440473
01033	CHROMIUM, TRI-VAL (UG/L AS CR)	16065831
01034	CHROMIUM, TOTAL (UG/L AS CR)	7440473

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01040	COPPER, DISSOLVED (UG/L AS CU)	7440508
01041	COPPER, SUSPENDED (UG/L AS CU)	7440508
01042	COPPER, TOTAL (UG/L AS CU)	7440508
01049	LEAD, DISSOLVED (UG/L AS PB)	7439921
01050	LEAD, SUSPENDED (UG/L AS PB)	7439921
01051	LEAD, TOTAL (UG/L AS PB)	7439921
01057	THALLIUM, DISSOLVED (UG/L AS TL)	7440280
01058	THALLIUM, SUSPENDED (UG/L AS TL)	7440280
01059	THALLIUM, TOTAL (UG/L AS TL)	7440280
01065	NICKEL, DISSOLVED (UG/L AS NI)	7440020
01066	NICKEL, SUSPENDED (UG/L AS NI)	7440020
01067	NICKEL, TOTAL (UG/L AS NI)	7440020
01074	NICKEL, TOTAL RECOVERABLE IN WATER AS NI (UG/L)	7440020
01075	SILVER, DISSOLVED (UG/L AS AG)	7440224
01076	SILVER, SUSPENDED (UG/L AS AG)	7440224
01077	SILVER, TOTAL (UG/L AS AG)	7440224
01079	SILVER, TOTAL RECOVERABLE IN WATER AS AG (UG/L)	7440224
01089	COPPER AS SUSPENDED BLACK OXIDE IN WATER (MG/L)	7440508
01090	ZINC, DISSOLVED (UG/L AS ZN)	7440666
01091	ZINC, SUSPENDED (UG/L ZN)	7440666
01092	ZINC, TOTAL (UG/L AS ZN)	7440666
01094	ZINC, TOTAL RECOVERABLE IN WATER AS ZN (UG/L)	7440666
01095	ANTIMONY, DISSOLVED (UG/L AS SB)	7440360
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	7440360
01097	ANTIMONY, TOTAL (UG/L AS SB)	7440360
01113	CADMIUM, TOTAL RECOVERABLE IN WATER AS CD (UG/L)	7440439
01114	LEAD, TOTAL RECOVERABLE IN WATER AS PB (UG/L)	7439921
01118	CHROMIUM, TOTAL RECOVERABLE IN WATER AS CR (UG/L)	7440473
01119	COPPER, TOTAL RECOVERABLE IN WATER AS CU (UG/L)	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01124	THALLIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7440280
01128	THALLIUM, TOTAL RECOVERABLE <95%, UG/L AS TL	7440280
01138	SELENIUM, IN WATER, LBS/DAY	7782492
01145	SELENIUM, DISSOLVED (UG/L AS SE)	7782492
01146	SELENIUM, SUSPENDED (UG/L AS SE)	7782492
01147	SELENIUM, TOTAL (UG/L AS SE)	7782492
01167	SELENIUM, ACID SOLUBLE, WATER, WHOLE (UG/L)	7782492
01220	CHROMIUM, HEXAVALENT, DISSOLVED IN (UG/L AS CR)	18540299
01252	ARSENIC, LB/DAY/CFS STREAM FLOW	7440382
01253	CADMIUM, LB/DAY/CFS STREAM FLOW	7440439
01254	CHROMIUM, TOTAL (LBS/DAY/CFS STREAM FLOW)	7740473
01255	CHROMIUM, HEXAVALENT, LB/DAY/CFS STREAM FLOW	18540299
01256	COPPER, LB/DAY/CFS STREAM FLOW	7440508
01257	CYANIDE LB/DAY/CFS STREAM FLOW	57125
01259	LEAD, LB/DAY/CFS STREAM FLOW	7439921
01260	MERCURY, LB/DAY/CFS STREAM FLOW	7439976
01261	NICKEL, LB/DAY/CFS STREAM FLOW	7440020
01263	SILVER, LB/DAY/CFS STREAM FLOW	7440224
01264	ZINC LB/DAY/CFS STREAM FLOW	7440666
01268	ANTIMONY, (SB), WATER, TOTAL RECOVERABLE (UG/L)	7440360
01291	CYANIDE, FILTERABLE, TOTAL IN WATER (UG/L)	57125
01303	ZINC, POTENTIALLY DISSOLVED WATER (MG/L)	7440666
01304	SILVER, POTENTIALLY DISSOLVED WATER (MG/L)	7440224
01306	COPPER, POTENTIALLY DISSOLVED WATER (MG/L)	7440508
01307	CHROMIUM, HEXAVALENT, POTENT. DISS. WATER (MG/L)	18540299
01309	ARSENIC, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440382
01312	BERYLLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440417
01313	CADMIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440439

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
01314	CHROMIUM, TRIVALENT, POTENT., DISS., WATER (MG/L)	16065831
01318	LEAD, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439921
01321	MERCURY, POTENTIALLY, DISSOLVED, WATER (MG/L)	7439976
01322	NICKEL, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440020
01323	SELENIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7782492
01324	THALLIUM, POTENTIALLY, DISSOLVED, WATER (MG/L)	7440280
01523	SILVER, IONIC (UG/L)	7440224
22675	SELENIUM, DISSOLVED ORGANIC (UG/L)	7782492
22676	SELENIUM, HEXAVALENT, DISSOLVED (UG/L)	7782492
22677	SELENIUM, TETRAVALENT, DISSOLVED	7782492
22678	ARSENIC, DISSOLVED ORGANIC (UG/L)	7440382
22679	ARSENIC, PENTAVALENT, DISSOLVED (UG/L)	7440382
22680	ARSENIC, TRIVALENT, DISSOLVED (UG/L)	7440382
30197	2-CHLOROETHYL VINYL ETHER, WATER, WHL, RECOVER (UG/L)	110758
30201	CHLOROMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74873
30202	BROMOMETHANE, WATER, WHOLE, RECOVERABLE (UG/L)	74839
32003	CARBON CHLOROFORM AND CARBON ALCOHOL EXT. (UG/L)	67663
32005	CARBON CHLOROFORM EXTRACTABLES (UG/L)	67663
32021	CARBON CHLOROFORM EXTRACTS, ETHER INSOLUBLE (UG/L)	67663
32022	CARBON CHLOROFORM EXTRACTS, WATER SOLUBLES (UG/L)	67663
32101	BROMODICHLOROMETHANE, WHOLE WATER (UG/L)	75274
32102	CARBON TETRACHLORIDE, WHOLE WATER, (UG/L)	56235
32103	1,2-DICHLOROETHANE, WHOLE WATER (UG/L)	107062
32104	BROMOFORM, WHOLE WATER, (UG/L)	75252
32105	DIBROMOCHLOROMETHANE, WHOLE WATER, (UG/L)	124481
32106	CHLOROFORM, WHOLE WATER (UG/L)	67663
32260	CARBON TETRACHLORIDE EXTRACTABLES (MG/L)	56235
32270	CHLOROFORM EXTRACTABLES TOTAL IN MG PER LITER	67663

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34010	TOLUENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	108883
34030	BENZENE IN WTR SMPLE GC-MS, HEXADECONE EXT. (UG/L)	71432
34198	BHC-DELTA, WATER, WHOLE (LBS/DAY)	319868
34200	ACENAPHTHYLENE, TOTAL (UG/L)	208968
34201	ACENAPHTHYLENE, DISSOLVED (UG/L)	208968
34202	ACENAPHTHYLENE, SUSPENDED (UG/L)	208968
34205	ACENAPHTHENE, TOTAL (UG/L)	83329
34206	ACENAPHTHENE, DISSOLVED (UG/L)	83329
34207	ACENAPHTHENE, SUSPENDED (UG/L)	83329
34210	ACROLEIN, TOTAL (UG/L)	107028
34211	ACROLEIN, DISSOLVED (UG/L)	107028
34212	ACROLEIN, SUSPENDED (UG/L)	107028
34215	ACRYLONITRILE, TOTAL (UG/L)	107131
34216	ACRYLONITRILE, DISSOLVED (UG/L)	107131
34217	ACRYLONITRILE, SUSPENDED (UG/L)	107131
34220	ANTHRACENE, TOTAL (UG/L)	120127
34221	ANTHRACENE, DISSOLVED (UG/L)	120127
34222	ANTHRACENE, SUSPENDED (UG/L)	120127
34225	ASBESTOS (FIBROUS) TOTAL (UG/L)	1332214
34226	ASBESTOS (FIBROUS) DISSOLVED (UG/L)	1332214
34227	ASBESTOS (FIBROUS) SUSPENDED (UG/L)	1332214
34230	BENZO(B)FLUORANTHENE, WHOLE WATER (UG/L)	205992
34231	BENZO(B)FLUORANTHENE, DISSOLVED (UG/L)	205992
34232	BENZO(B)FLUORANTHENE, SUSPENDED (UG/L)	205992
34235	BENZENE, DISSOLVED (UG/L)	71432
34236	BENZENE, SUSPENDED (UG/L)	71432
34239	BENZIDINE, DISSOLVED (UG/L)	92875
34240	BENZIDINE, SUSPENDED (UG/L)	92875

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34242	BENZO(K)FLUORANTHENE, TOTAL (UG/L)	207089
34243	BENZO(K)FLUORANTHENE, DISSOLVED (UG/L)	207089
34244	BENZO(K)FLUORANTHENE, SUSPENDED (UG/L)	207089
34247	BENZO-A-PYRENE, TOTAL (UG/L)	50328
34248	BENZO-A-PYRENE, DISSOLVED (UG/L)	50328
34249	BENZO-A-PYRENE, SUSPENDED (UG/L)	50328
34253	A-BHC-ALPHA, DISSOLVED (UG/L)	319846
34254	A-BHC-ALPHA, SUSPENDED (UG/L)	319846
34255	B-BHC-BETA, DISSOLVED (UG/L)	319857
34256	B-BHC-BETA, SUSPENDED (UG/L)	319857
34259	DELTA BENZENE HEXACHLORIDE, TOTAL (UG/L)	319868
34260	DELTA BENZENE HEXACHLORIDE, DISSOLVED (UG/L)	319868
34261	DELTA BENZENE HEXACHLORIDE, SUSPENDED (UG/L)	319868
34265	R-BHC (LINDANE) GAMMA, DISSOLVED (UG/L)	58899
34266	R-BHC (LINDANE) GAMMA, SUSPENDED (UG/L)	58899
34273	BIS (2-CHLOROETHYL) ETHER, TOTAL (UG/L)	111444
34274	BIS (2-CHLOROETHYL) ETHER, DISSOLVED (UG/L)	111444
34275	BIS (2-CHLOROETHYL) ETHER, SUSPENDED (UG/L)	111444
34278	BIS (2-CHLOROETHOXY) METHANE, TOTAL (UG/L)	111911
34279	BIS (2-CHLOROETHOXY) METHANE, DISSOLVED (UG/L)	111911
34280	BIS (2-CHLOROETHOXY) METHANE, SUSPENDED (UG/L)	111911
34288	BROMOFORM, DISSOLVED (UG/L)	75252
34289	BROMOFORM, SUSPENDED (UG/L)	75252
34292	N-BUTYL BENZYL PHTHALATE, WHOLE WATER (UG/L)	85687
34293	N-BUTYL BENZYL PHTHALATE, DISSOLVED (UG/L)	85687
34294	N-BUTYL BENZYL PHTHALATE, SUSPENDED (UG/L)	85687
34297	CARBON TETRACHLORIDE, DISSOLVED (UG/L)	56235
34298	CARBON TETRACHLORIDE, SUSPENDED (UG/L)	56235

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34301	CHLOROBENZENE, TOTAL (UG/L)	108907
34302	CHLOROBENZENE, DISSOLVED (UG/L)	108907
34303	CHLOROBENZENE, SUSPENDED (UG/L)	108907
34306	CHLORODIBROMOMETHANE, TOTAL (UG/L)	124481
34307	CHLORODIBROMOMETHANE, DISSOLVED (UG/L)	124481
34308	CHLORODIBROMOMETHANE, SUSPENDED (UG/L)	124481
34311	CHLOROETHANE, TOTAL (UG/L)	75003
34312	CHLOROETHANE, DISSOLVED (UG/L)	75003
34313	CHLOROETHANE, SUSPENDED (UG/L)	75003
34316	CHLOROFORM, DISSOLVED (UG/L)	67663
34317	CHLOROFORM, SUSPENDED (UG/L)	67663
34320	CHRYSENE, TOTAL (UG/L)	218019
34321	CHRYSENE, DISSOLVED (UG/L)	218019
34322	CHRYSENE, SUSPENDED (UG/L)	218019
34325	CYANIDE, SUSPENDED (MG/L)	57125
34327	DI-N-BUTYL PHTHALATE, DISSOLVED (UG/L)	84742
34328	DICHLOROBROMOMETHANE, DISSOLVED (UG/L)	75274
34329	DICHLOROBROMOMETHANE, SUSPENDED (UG/L)	75274
34336	DIETHYL PHTHALATE, TOTAL (UG/L)	84662
34337	DIETHYL PHTHALATE, DISSOLVED (UG/L)	84662
34338	DIETHYL PHTHALATE, SUSPENDED (UG/L)	84662
34341	DIMETHYL PHTHALATE, TOTAL (UG/L)	131113
34342	DIMETHYL PHTHALATE, DISSOLVED (UG/L)	131113
34343	DIMETHYL PHTHALATE, SUSPENDED (UG/L)	131113
34346	1,2-DIPHENYLHYDRAZINE, TOTAL (UG/L)	122667
34347	1,2-DIPHENYLHYDRAZINE, DISSOLVED (UG/L)	122667
34348	1,2-DIPHENYLHYDRAZINE, SUSPENDED (UG/L)	122667
34351	ENDOSULFAN SULFATE, TOTAL (UG/L)	1031078

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34352	ENDOSULFAN SULFATE, DISSOLVED (UG/L)	1031078
34353	ENDOSULFAN SULFATE, SUSPENDED (UG/L)	1031078
34356	ENDOSULFAN, BETA, TOTAL (UG/L)	33213659
34357	ENDOSULFAN, BETA, DISSOLVED (UG/L)	33213659
34358	ENDOSULFAN, BETA, SUSPENDED (UG/L)	33213659
34361	ENDOSULFAN, ALPHA, TOTAL (UG/L)	959988
34362	ENDOSULFAN, ALPHA, DISSOLVED (UG/L)	959988
34363	ENDOSULFAN, ALPHA, SUSPENDED (UG/L)	959988
34371	ETHYLBENZENE, TOTAL (UG/L)	100414
34372	ETHYLBENZENE, DISSOLVED (UG/L)	100414
34373	ETHYLBENZENE, SUSPENDED (UG/L)	100414
34376	FLUORANTHENE, TOTAL (UG/L)	206440
34377	FLUORANTHENE, DISSOLVED (UG/L)	206440
34378	FLUORANTHENE, SUSPENDED (UG/L)	206440
34381	FLUORENE, TOTAL (UG/L)	86737
34382	FLUORENE, DISSOLVED (UG/L)	86737
34383	FLUORENE, SUSPENDED (UG/L)	86737
34386	HEXACHLOROCYCLOPENTADIENE, TOTAL (UG/L)	77474
34387	HEXACHLOROCYCLOPENTADIENE, DISSOLVED (UG/L)	77474
34388	HEXACHLOROCYCLOPENTADIENE, SUSPENDED (UG/L)	77474
34391	HEXACHLOROBUTADIENE, TOTAL (UG/L)	87683
34392	HEXACHLOROBUTADIENE, DISSOLVED (UG/L)	87683
34393	HEXACHLOROBUTADIENE, SUSPENDED (UG/L)	87683
34396	HEXACHLOROETHANE, TOTAL (UG/L)	67721
34397	HEXACHLOROETHANE, DISSOLVED (UG/L)	67721
34398	HEXACHLOROETHANE, SUSPENDED (UG/L)	67721
34401	HEXACHLOROBENZENE, DISSOLVED (UG/L)	118741
34402	HEXACHLOROBENZENE, SUSPENDED (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34403	INDENO (1,2,3-CD) PYRENE, TOTAL (UG/L)	193395
34404	INDENO (1,2,3-CD) PYRENE, DISSOLVED (UG/L)	193395
34405	INDENO (1,2,3-CD) PYRENE, SUSPENDED (UG/L)	193395
34408	ISOPHORONE, TOTAL (UG/L)	78591
34409	ISOPHORONE, DISSOLVED (UG/L)	78591
34410	ISOPHORONE, SUSPENDED (UG/L)	78591
34413	METHYL BROMIDE, TOTAL (UG/L)	74839
34414	METHYL BROMIDE, DISSOLVED (UG/L)	74839
34415	METHYL BROMIDE, SUSPENDED (UG/L)	74839
34418	METHYL CHLORIDE, TOTAL (UG/L)	74873
34419	METHYL CHLORIDE, DISSOLVED (UG/L)	74873
34420	METHYL CHLORIDE, SUSPENDED (UG/L)	74873
34423	METHYLENE CHLORIDE, TOTAL (UG/L)	75092
34424	METHYLENE CHLORIDE, DISSOLVED (UG/L)	75092
34425	METHYLENE CHLORIDE, SUSPENDED (UG/L)	75092
34428	N-NITROSODI-N-PROPYLAMINE, TOTAL (UG/L)	621647
34429	N-NITROSODI-N-PROPYLAMINE, DISSOLVED (UG/L)	621647
34430	N-NITROSODI-N-PROPYLAMINE, SUSPENDED (UG/L)	621647
34433	N-NITROSODIPHENYLAMINE, TOTAL (UG/L)	86306
34434	N-NITROSODIPHENYLAMINE, DISSOLVED (UG/L)	86306
34435	N-NITROSODIPHENYLAMINE, SUSPENDED (UG/L)	86306
34438	N-NITROSODIMETHYLAMINE, TOTAL (UG/L)	62759
34439	N-NITROSODIMETHYLAMINE, DISSOLVED (UG/L)	62759
34440	N-NITROSODIMETHYLAMINE, SUSPENDED (UG/L)	62759
34443	NAPHTHALENE, DISSOLVED (UG/L)	91203
34444	NAPHTHALENE, SUSPENDED (UG/L)	91203
34447	NITROBENZENE, TOTAL (UG/L)	98953
34448	NITROBENZENE, DISSOLVED (UG/L)	98953

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34449	NITROBENZENE, SUSPENDED (UG/L)	98953
34452	PARACHLOROMETA CRESOL, TOTAL (UG/L)	59507
34453	PARACHLOROMETA CRESOL, DISSOLVED (UG/L)	59507
34454	PARACHLOROMETA CRESOL, SUSPENDED (UG/L)	59507
34457	PCB - 1242, DISSOLVED (UG/L)	53469219
34458	PCB - 1242, SUSPENDED (UG/L)	53469219
34459	PCP (PENTACHLOROPHENOL), DISSOLVED (UG/L)	87865
34460	PCP (PENTACHLOROPHENOL), SUSPENDED (UG/L)	87865
34461	PHENANTHRENE, TOTAL (UG/L)	85018
34462	PHENANTHRENE, DISSOLVED (UG/L)	85018
34463	PHENANTHRENE, SUSPENDED (UG/L)	85018
34466	PHENOL, DISSOLVED (UG/L)	108952
34467	PHENOL, SUSPENDED (UG/L)	108952
34469	PYRENE, TOTAL (UG/L)	129000
34470	PYRENE, DISSOLVED (UG/L)	129000
34471	PYRENE, SUSPENDED (UG/L)	129000
34475	TETRACHLOROETHYLENE, TOTAL (UG/L)	127184
34476	TETRACHLOROETHYLENE, DISSOLVED (UG/L)	127184
34477	TETRACHLOROETHYLENE, SUSPENDED (UG/L)	127184
34481	TOLUENE, DISSOLVED (UG/L)	108883
34482	TOLUENE, SUSPENDED (UG/L)	108883
34485	TRICHLOROETHYLENE, DISSOLVED (UG/L)	79016
34486	TRICHLOROETHYLENE, SUSPENDED (UG/L)	79016
34493	VINYL CHLORIDE, DISSOLVED (UG/L)	75014
34494	VINYL CHLORIDE, SUSPENDED (UG/L)	75014
34496	1,1-DICHLOROETHANE, TOTAL (UG/L)	75343
34497	1,1-DICHLOROETHANE, DISSOLVED (UG/L)	75343
34498	1,1-DICHLOROETHANE, SUSPENDED (UG/L)	75343

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34501	1,1-DICHLOROETHYLENE, TOTAL (UG/L)	75354
34502	1,1-DICHLOROETHYLENE, DISSOLVED (UG/L)	75354
34503	1,1-DICHLOROETHYLENE, SUSPENDED (UG/L)	75354
34506	1,1,1-TRICHLOROETHANE, TOTAL (UG/L)	71556
34507	1,1,1-TRICHLOROETHANE, DISSOLVED (UG/L)	71556
34508	1,1,1-TRICHLOROETHANE, SUSPENDED (UG/L)	71556
34511	1,1,2-TRICHLOROETHANE, TOTAL (UG/L)	79005
34512	1,1,2-TRICHLOROETHANE, DISSOLVED (UG/L)	79005
34513	1,1,2-TRICHLOROETHANE, SUSPENDED (UG/L)	79005
34516	1,1,2,2-TETRACHLOROETHANE, TOTAL (UG/L)	79345
34517	1,1,2,2-TETRACHLOROETHANE, DISSOLVED (UG/L)	79345
34518	1,1,2,2-TETRACHLOROETHANE, SUSPENDED (UG/L)	79345
34521	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, TOTAL (UG/L)	191242
34522	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, DISS. (UG/L)	191242
34523	BENZO(GHI)PERYLENE1,12-BENZOPERYLENE, SUSP. (UG/L)	191242
34526	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, TOTAL (UG/L)	56553
34527	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, DISS. (UG/L)	56553
34528	BENZO(A)ANTHRACENE1,2-BENZANTHRACENE, SUSP. (UG/L)	56553
34531	1,2-DICHLOROETHANE, TOTAL (UG/L)	107062
34532	1,2-DICHLOROETHANE, DISSOLVED (UG/L)	107062
34533	1,2-DICHLOROETHANE, SUSPENDED (UG/L)	107062
34536	1,2-DICHLOROBENZENE, TOTAL (UG/L)	95501
34537	1,2-DICHLOROBENZENE, DISSOLVED (UG/L)	95501
34538	1,2-DICHLOROBENZENE, SUSPENDED (UG/L)	95501
34541	1,2-DICHLOROPROPANE, TOTAL (UG/L)	78875
34542	1,2-DICHLOROPROPANE, DISSOLVED (UG/L)	78875
34543	1,2-DICHLOROPROPANE, SUSPENDED (UG/L)	78875
34546	TRANS-1,2-DICHLOROETHENE, TOTAL, IN WATER (UG/L)	156605

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34547	TRANS-1,2-DICHLOROETHENE, DISSOLVED (UG/L)	156605
34548	TRANS-1,2-DICHLOROETHENE, SUSPENDED (UG/L)	156605
34551	1,2,4-TRICHLOROBENZENE, TOTAL (UG/L)	120821
34552	1,2,4-TRICHLOROBENZENE, DISSOLVED (UG/L)	120821
34553	1,2,4-TRICHLOROBENZENE, SUSPENDED (UG/L)	120821
34556	1,2,5,6-DIBENZANTHRAHCENE, TOTAL (UG/L)	53703
34557	1,2,5,6-DIBENZANTHRAHCENE, DISSOLVED (UG/L)	53703
34558	1,2,5,6-DIBENZANTHRAHCENE, SUSPENDED (UG/L)	53703
34561	1,3-DICHLOROPROPENE, TOTAL (UG/L)	542756
34562	1,3-DICHLOROPROPENE, DISSOLVED (UG/L)	542756
34563	1,3-DICHLOROPROPENE, SUSPENDED (UG/L)	542756
34566	1,3-DICHLOROBENZENE, TOTAL (UG/L)	541731
34567	1,3-DICHLOROBENZENE, DISSOLVED (UG/L)	541731
34568	1,3-DICHLOROBENZENE, SUSPENDED (UG/L)	541731
34571	1,4-DICHLOROBENZENE, TOTAL (UG/L)	106467
34572	1,4-DICHLOROBENZENE, DISSOLVED (UG/L)	106467
34573	1,4-DICHLOROBENZENE, SUSPENDED (UG/L)	106467
34576	2-CHLOROETHYL VINYL ETHER, TOTAL (UG/L)	110758
34577	2-CHLOROETHYL VINYL ETHER, DISSOLVED (UG/L)	110758
34578	2-CHLOROETHYL VINYL ETHER, SUSPENDED (UG/L)	110758
34581	2-CHLORONAPHTHALENE, TOTAL (UG/L)	91587
34582	2-CHLORONAPHTHALENE, DISSOLVED (UG/L)	91587
34583	2-CHLORONAPHTHALENE, SUSPENDED (UG/L)	91587
34586	2-CHLOROPHENOL, TOTAL (UG/L)	95578
34587	2-CHLOROPHENOL, DISSOLVED (UG/L)	95578
34588	2-CHLOROPHENOL, SUSPENDED (UG/L)	95578
34591	2-NITROPHENOL, TOTAL (UG/L)	88755
34592	2-NITROPHENOL, DISSOLVED (UG/L)	88755

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34593	2-NITROPHENOL, SUSPENDED (UG/L)	88755
34596	DI-N-OCTYL PHTHALATE, TOTAL (UG/L)	117840
34597	DI-N-OCTYL PHTHALATE, DISSOLVED (UG/L)	117840
34598	DI-N-OCTYL PHTHALATE, SUSPENDED (UG/L)	117840
34601	2,4-DICHLOROPHENOL, TOTAL (UG/L)	120832
34602	2,4-DICHLOROPHENOL, DISSOLVED (UG/L)	120832
34603	2,4-DICHLOROPHENOL, SUSPENDED (UG/L)	120832
34606	2,4-DIMETHYLPHENOL, TOTAL (UG/L)	105679
34607	2,4-DIMETHYLPHENOL, DISSOLVED (UG/L)	105679
34608	2,4-DIMETHYLPHENOL, SUSPENDED (UG/L)	105679
34611	2,4-DINITROTOLUENE, TOTAL (UG/L)	121142
34612	2,4-DINITROTOLUENE, DISSOLVED (UG/L)	121142
34613	2,4-DINITROTOLUENE, SUSPENDED (UG/L)	121142
34616	2,4-DINITROPHENOL, TOTAL (UG/L)	51285
34617	2,4-DINITROPHENOL, DISSOLVED (UG/L)	51285
34618	2,4-DINITROPHENOL, SUSPENDED (UG/L)	51285
34621	2,4,6-TRICHLOROPHENOL, TOTAL (UG/L)	88062
34622	2,4,6-TRICHLOROPHENOL, DISSOLVED (UG/L)	88062
34623	2,4,6-TRICHLOROPHENOL, SUSPENDED (UG/L)	88062
34626	2,6-DINITROTOLUENE, TOTAL (UG/L)	606202
34627	2,6-DINITROTOLUENE, DISSOLVED (UG/L)	606202
34628	2,6-DINITROTOLUENE, SUSPENDED (UG/L)	606202
34631	3,3'-DICHLOROBENZIDINE, TOTAL (UG/L)	91941
34632	3,3'-DICHLOROBENZIDINE, DISSOLVED (UG/L)	91941
34633	3,3'-DICHLOROBENZIDINE, SUSPENDED (UG/L)	91941
34636	4-BROMOPHENYL PHENYL ETHER, TOTAL (UG/L)	101553
34637	4-BROMOPHENYL PHENYL ETHER, DISSOLVED (UG/L)	101553
34638	4-BROMOPHENYL PHENYL ETHER, SUSPENDED (UG/L)	101553

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34641	4-CHLOROPHENYL PHENYL ETHER, TOTAL (UG/L)	7005723
34642	4-CHLOROPHENYL PHENYL ETHER, DISSOLVED (UG/L)	7005723
34643	4-CHLOROPHENYL PHENYL ETHER, SUSPENDED (UG/L)	7005723
34646	4-NITROPHENOL, TOTAL (UG/L)	100027
34647	4-NITROPHENOL, DISSOLVED (UG/L)	100027
34648	4-NITROPHENOL, SUSPENDED (UG/L)	100027
34651	P,P'-DDD, DISSOLVED (UG/L)	72548
34652	P,P'-DDD, SUSPENDED (UG/L)	72548
34653	P,P'-DDE, DISSOLVED (UG/L)	72559
34654	P,P'-DDE, SUSPENDED (UG/L)	72559
34655	P,P'-DDT, DISSOLVED (UG/L)	50293
34656	P,P'-DDT, SUSPENDED (UG/L)	50293
34657	DNOC (4,6-DINITRO-ORTHO-CRESOL), TOTAL (UG/L)	534521
34658	DNOC (4,6-DINITRO-ORTHO-CRESOL), DISSOLVED (UG/L)	534521
34659	DNOC (4,6-DINITRO-ORTHO-CRESOL), SUSPENDED (UG/L)	534521
34662	PCB - 1221, DISSOLVED (UG/L)	11104282
34663	PCB - 1221, SUSPENDED (UG/L)	11104282
34665	PCB - 1232, DISSOLVED (UG/L)	11141165
34666	PCB - 1232, SUSPENDED (UG/L)	11141165
34671	PCB - 1016, TOTAL (UG/L)	12674112
34672	PCB - 1016, DISSOLVED (UG/L)	12674112
34673	PCB - 1016, SUSPENDED (UG/L)	12674112
34675	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD),TOT(UG/L)	1746016
34676	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(UG/L)	1746016
34677	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(UG/L)	1746016
34694	PHENOL(C6H5OH)-SINGLE COMPOUND TOTAL (UG/L)	108952
34696	NAPHTHALENE, TOTAL (UG/L)	91203
34750	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)TOT(PG/L)	1746016

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
34751	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)DISS(PG/L)	1746016
34752	2,3,7,8-TETRACHLORODIBENZO-PDIOXIN(TCDD)SUSP(PG/L)	1746016
39032	PCP (PENTACHLOROPHENOL) WHOLE WATER SAMPLE (UG/L)	87865
39039	HEXACHLOROBENZENE WATER SAMPLE,ELECTRON CPT (UG/L)	118741
39100	BIS(2-ETHYLHEXYL) PHTHALATE, WHOLE WATER (UG/L)	117817
39103	BIS(2-ETHYLHEXYL) PHTHALATE, DISSOLVED, (UG/L)	117817
39104	BIS(2-ETHYLHEXYL) PHTHALATE, SUSPENDED, (UG/L)	117817
39107	PHTHALATES,DIETHYLHEXYL SUS.FRAC.WTR DWT (MG/KG)	117817
39110	DI-N-BUTYL PHTHALATE, WHOLE WATER (UG/L)	84742
39114	DI-N-BUTYL PHTHALATE, SUSPENDED (UG/L)	84742
39115	PHTHALATES,DIBUTYL SUS.FRAC.WATER DWT (UG/KG)	84742
39120	BENZIDINE IN WHOLE WATER SAMPLE (UG/L)	92875
39175	VINYL CHLORIDE-WHOLE WATER SAMPLE (UG/L)	75014
39180	TRICHLOROETHYLENE-WHOLE WATER SAMPLE (UG/L)	79016
39300	P,P' DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39310	P,P' DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39320	P,P' DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39330	ALDRIN IN WHOLE WATER SAMPLE (UG/L)	309002
39331	ALDRIN IN FILT. FRAC. OF WAT. SAMP. (UG/L)	309002
39332	ALDRIN IN SUSP. FRAC. OF WAT. SAMP. (UG/L)	309002
39336	BHC-ALPHA, WATER, WHOLE (LBS/DAY)	319846
39337	ALPHA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319846
39338	BETA BENZENE HEXACHLORIDE IN WHOLE WATER (UG/L)	319857
39340	GAMMA-BHC(LINDANE), WHOLE WATER (UG/L)	58899
39341	GAMMA-BHC(LINDANE), DISSOLVED (UG/L)	58899
39342	GAMMA-BHC(LINDANE), SUSPENDED (UG/L)	58899
39344	BHC-GAMMA, WATER, WHOLE (LBS/DAY)	58899
39350	CHLORDANE(TECH MIX & METABS), WHOLE WATER (UG/L)	57749

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39352	CHLORDANE(TECH MIX & METABS), DISSOLVED (UG/L)	57749
39353	CHLORDANE(TECH MIX & METABS), SUSPENDED (UG/L)	57749
39360	DDD IN WHOLE WATER SAMPLE (UG/L)	72548
39361	DDD IN FILT. FRAC. OF WATER SMAPLE (UG/L)	72548
39362	DDD IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72548
39365	DDE IN WHOLE WATER SAMPLE (UG/L)	72559
39366	DDE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72559
39367	DDE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72559
39370	DDT IN WHOLE WATER SAMPLE (UG/L)	50293
39371	DDT IN FILT. FRAC. OF WATER SAMPLE (UG/L)	50293
39372	DDT IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	50293
39380	DIELDRIN IN WHOLE WATER SAMPLE (UG/L)	60571
39381	DIELDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	60571
39382	DIELDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	60571
39390	ENDRIN IN WHOLE WATER SAMPLE (UG/L)	72208
39391	ENDRIN IN FILT. FRAC. OF WATER SAMPLE (UG/L)	72208
39392	ENDRIN IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	72208
39400	TOXAPHENE IN WHOLE WATER SAMPLE (UG/L)	8001352
39401	TOXAPHENE IN FILT. FRAC. OF WATER SAMPLE (UG/L)	8001352
39402	TOXAPHENE IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	8001352
39410	HEPTACHLOR IN WHOLE WATER SAMPLE (UG/L)	76448
39411	HEPTACHLOR IN FILT. FRAC. OF WATER SAMPLE (UG/L)	76448
39412	HEPTACHLOR IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	76448
39420	HEPTACHLOR EPOXIDE IN WHOLE WATER SAMPLE (UG/L)	1024573
39421	HEPTACHLOR EPOXIDE IN FILT. FRAC. WAT. SAM. (UG/L)	1024573
39422	HEPTACHLOR EPOXIDE IN SUSP. FRAC. WAT. SAM. (UG/L)	1024573
39488	PCB - 1221 IN THE WHOLE WATER SAMPLE (UG/L)	11104282
39492	PCB - 1232 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11141165

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
39496	PCB - 1242 PCB SERIES WHOLE WATER SAMPLE (UG/L)	53469219
39500	PCB - 1248 PCB SERIES WHOLE WATER SAMPLE (UG/L)	12672296
39501	PCB - 1248 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	12672296
39502	PCB - 1248 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	12672296
39504	PCB - 1254 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11097691
39505	PCB - 1254 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11097691
39506	PCB - 1254 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11097691
39508	PCB - 1260 PCB SERIES WHOLE WATER SAMPLE (UG/L)	11096825
39509	PCB - 1260 IN FILT. FRAC. OF WATER SAMPLE (UG/L)	11096825
39510	PCB - 1260 IN SUSP. FRAC. OF WATER SAMPLE (UG/L)	11096825
39700	HEXACHLOROBENZENE IN WHOLE WATER SAMPLE (UG/L)	118741
39702	HEXACHLOROBUTADIENE IN WHOLE WATER SAMPLE (UG/L)	87683
39782	LINDANE IN WHOLE WATER SAMPLE (UG/L)	58899
39920	DNOC IN WHOLE WATER SAMPLE (UG/L)	534521
46322	LINDANE PLUS ISOMERS IN WHOLE WATER SAMPLE (UG/L)	58899
46323	DELTA-BHC IN WHOLE WATER SAMPLE (UG/L)	319868
46326	HEPTACHLOR AND METABOLITES IN WH. H2O SAMP. (UG/L)	76448
46479	CYANIDE, DISSOLVED, WATER (UG/L)	57125
46551	ARSENIC, FIELD ACIDIFIED W/HNO3, LAB FILT. (UG/L)	7440382
46559	CADMIUM, FIELD ACIDIFIED-HNO3-LAB FILTER (UG/L-CD)	7440439
46560	CHROMIUM, FIELD ACIDIFIED-HN03-LAB FILT. (UG/L-CR)	7440473
46562	COPPER, FIELD ACIDIFIED-HNO3-LAB FILTER. (UG/L-CU)	7440508
46564	LEAD, FIELD ACIDIFIED-HNO3-LAB FILTERED (UG/L-PB)	7439921
46566	SILVER, FIELD ACIDIFIED-HNO3-LAB FILTER.(UG/L-AG)	7440224
46567	ZINC, EXTRACT. FIELD ACID W/HNO3, LAB FILT. (UG/L)	7440666
70012	PARACHLOROMETA CRESOL, WATER, WHOLE (LBS/DAY)	59507
70017	HEXACHLOROCYCLOPENTADIENE, WATER, WHOLE (LBS/DAY)	77474
70021	LEAD, (TCLP), WATER, TOTAL (MG/L)	7439921

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
71890	MERCURY, DISSOLVED (UG/L AS HG)	7439976
71895	MERCURY, SUSPENDED (UG/L AS HG)	7439976
71900	MERCURY, TOTAL (UG/L AS HG)	7439976
71901	MERCURY, TOTAL RECOVERABLE IN WATER AS HG (UG/L)	7439976
71946	CADMIUM, EXTRACTABLE (UG/L AS CD)	7440439
71947	CHROMIUM, EXTRACTABLE (UG/L AS CR)	7440473
71949	LEAD, EXTRACTABLE (UG/L AS PB)	7439921
71950	ZINC, EXTRACTABLE (UG/L AS ZN)	7440666
71951	COPPER, EXTRACTABLE (UG/L AS CU)	7440508
73063	CHLOROGUAIAACOL,4-, TOTAL, WATER (UG/L)	16766306
73522	PROPANE, 2,2'-OXYBIS(1-CHLORO)- TOTAL (UG/L)	108601
77163	1,3-DICHLOROPROPENE-1, WHOLE WATER (UG/L)	542756
77354	1,1-DICHLORO-2,2-DIFLUOROETHANE WHOLE WATER (UG/L)	471432
77771	3-CHLORO-4-HYDROXYBENZOPHENONE, WHOLE WATER (UG/L)	55191203
78113	ETHYL BENZENE WHOLE WATER SAMPLE (UG/L)	100414
78124	BENZENE IN WATER (VOLATILE ANALYSIS) (UG/L)	71432
78131	TOLUENE IN WHOLE WATER (VOLATILE ANALYSIS) (UG/L)	108883
78208	2,4-DINITRO-O-CRESOL IN WHOLE WATER SAMPLE (UG/L)	534521
78247	CHROMIUM, HEXAVALENT, TOTAL RECOVERABLE, WT (UG/L)	18540299
78248	CYANIDE, TOTAL RECOVERABLE, WATER, WHOLE (UG/L)	57125
80357	CHROMIUM, TRIVALENT, DISSOLVED, AS CR	16065831
81208	CYANIDE, FREE (NOT AMEN. TO CHLORINATION) (MG/L)	57125
81210	CYANIDE - STATE OF ILLINOIS (MG/L)	57125
81214	CADMIUM - STATE OF ILLINOIS (MG/L)-COLD	7440439
81215	CHROMIUM - STATE OF ILLINOIS (MG/L), COLD DIGEST	18540299
81216	CHROMIUM(TRI)-STATE OF ILLINOIS (MG/L)-COLD DIGEST	16065831
81217	CHROMIUM, TOTAL - STATE OF ILLINOIS (MG/L) COLD DIGEST	7440473
81218	COPPER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440508

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
81220	LEAD, STATE OF ILLINOIS, MG/L, COLD DIGEST	7439921
81222	NICKEL - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440020
81223	SILVER, STATE OF ILLINOIS, MG/L, COLD DIGEST	7440224
81224	ZINC - STATE OF ILLINOIS, MG/L, COLD DIGEST	7440666
81642	SILVER (AG) IN WATER POUNDS PER DAY (LBS/DAY)	7440224
81750	COPPER, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440508
81751	LEAD, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7439921
81752	NICKEL, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440020
81753	CADMUM, INTERSTITIAL WATER FROM SEDIMENT	7440439
81754	ZINC, INTERSTITIAL WATER FROM SEDIMENTS (UG/L)	7440666
81766	HEPTACHLOR EPOXIDE IN EPILITHIC ALGAE SED. (UG/KG)	1024573
81931	MERCURY (HG) SUSPENDED FRACTION OF WATER (UG/G)	7439976
81932	CADMUM (CD) SUSPENDED FRACTION OF WATER (UG/G)	7440439
81933	ZINC (ZN) SUSPENDED FRACTION OF WATER (UG/G)	7440666
81934	LEAD (PB) SUSPENDED FRACTION OF WATER (UG/G)	7439921
81936	LEAD (PB) DISSOLVED CATIONIC SPECIES (UG/L)	7439921
81937	CADMUM (CD) DISSOLVED CATIONIC SPECIES (UG/L)	7440439
81938	CHROMIUM, DISSOLVED CATIONIC SPECIES (UG/L)	7440473
81939	COPPER (CU) DISSOLVED CATIONIC SPECIES (UG/L)	7440508
81940	ZINC (ZN) DISSOLVED CATIONIC SPECIES (UG/L)	7440666
81941	CHROMIUM, DISSOLVED ANIONIC SPECIES (UG/L)	7440473
81942	COPPER (CU) DISSOLVED ANIONIC SPECIES (UG/L)	7440508
81943	ZINC (ZN) DISSOLVED ANIONIC SPECIES (UG/L)	7440666
82058	CHROMIUM, TOTAL, PERCENT REMOVAL	7440473
82399	CHROMIUM, HEXAVALENT (KG/BATCH)	18540299
82512	M,P-DICHLOROBENZENE (MEASURES 1,3&1,4) TOT. (UG/L)	541731
82573	CYANIDE/CHLORINATION IN WATER (MG/L)	57125
82621	HEXACHLOROBENZENE, WATER, TOTAL RECOVER. (UG/L)	118741

STORET Code	Toxic Elements (EPA Section 304(a) Priority Toxic Pollutants) cont.-	C.A.S. Number
82622	ENDRIN ALDEHYDE, WH. WATER, TOTAL RECOVER. (UG/L)	7421934
82623	ENDOSULFAN SULFATE, WATER, TOTAL RECOVER. (UG/L)	1031078
82624	ENDOSULFAN, BETA, WH. WATER, TOTAL RECOVER. (UG/L)	33213659
82626	1,2-DIPHENYLHYDRAZINE, WATER, TOTAL RECOVER. (UG/L)	122667
82627	PARACHLOROMETA CRESOL, WATER, TOTAL RECOVER. (UG/L)	59507
82702	ARSENIC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440382
82704	BERYLLIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440417
82705	CADMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440439
82706	CHROMIUM, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440473
82708	COPPER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440508
82711	LEAD, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7439921
82713	MERCURY, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7439976
82715	NICKEL, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440020
82716	SILVER, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440224
82719	ZINC, FIELD ACIDIFIED, DECANTED, WATER (UG/L)	7440666
85006	ZINC, TOTAL - (#/DAY)	7440666
85007	CHROMIUM, TOTAL (#/DAY)	7440473
85010	NICKEL, TOTAL - (#/DAY)	7440020
85013	MERCURY, TOTAL - (#/DAY)	7439976

Appendix H

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As the nation's principal conservation agency, the Department of the Interior has the responsibility for most of our nationally owned public lands and natural and cultural resources. This includes fostering wise use of our land and water resources, protecting our fish and wildlife, preserving the environmental and cultural values of our national parks and historical places, and providing for enjoyment of life through outdoor recreation. The Department assesses our energy and mineral resources and works to ensure that their development is in the best interests of all our people. The Department also promotes the goals of the Take Pride in America campaign by encouraging stewardship and citizen responsibility for the public lands and promoting citizen participation in their care. The Department also has a major responsibility for American Indian reservation communities and for people who live in island territories under U.S. administration.